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FILE 'HOME' ENTERED AT 12:02:56 ON 03 JAN 2006

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SINCE FILE ENTRY TOTAL
SESSION
0.21 0.21
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FILE 'PCTFULL' ENTERED AT 12:03:09 ON 03 JAN 2006
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FILE LAST UPDATED: 3 JAN 2006 <20060103/UP>
MOST RECENT UPDATE WEEK: 200552 <200552/EW>
FILE COVERS 1978 TO DATE

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http://www.stn-international.de/stndatabases/details/IPC_reform.html <

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8399 ESTERAS?
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11 1335 ESTERAS? (S) CLEAV?

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I2          435 L1 (S) LINK?
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=> s CD22
L3 912 CD22

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      82 CPTS
      2616 CPT
      (CPT OR CPTS)
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772052 11
406 CPT (W) 11
38418 SN
819 SNS
38850 SN
(SN OR SNS)
409598 38
261 SN (W) 38
588 (CPT (W) 11) OR (SN (W) 38)

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L5 34 L4 AND L3

=> s 15 and 12
L6 8 L5 AND L2

=> s 16 not py>2002
347751 PY>2002
L7 1 L6 NOT PY>2002

=> d ibib 1

L7 ANSWER 1 OF 1 PCTFULL COPYRIGHT 2006 Univentio on STN
ACCESSION NUMBER: 1999066951 PCTFULL ED 20020515
TITLE (ENGLISH): USE OF BI-SPECIFIC ANTIBODIES FOR PRE-TARGETING
DIAGNOSIS AND THERAPY
TITLE (FRENCH): UTILISATION D'ANTICORPS BI-SPECIFIQUES POUR DIAGNOSTIC
ET THERAPIE DE PRE-CIBLAGE
INVENTOR(S): HANSEN, Hans, J.;
GRIFFITHS, Gary, L.;
LEUNG, Shui-on;
MCBRIDE, William, J.;
QU, Zhengxing
PATENT ASSIGNEE(S): IMMUNOMEDICS, INC.;
HANSEN, Hans, J.;
GRIFFITHS, Gary, L.;
LEUNG, Shui-on;
MCBRIDE, William, J.;
QU, Zhengxing
LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:
NUMBER KIND DATE

WO 9966951 A2 19991229
DESIGNATED STATES
W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
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MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD
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APPLICATION INFO.: WO 1999-US13879 A 19990622
PRIORITY INFO.: US 1998-60/090,142 19980622
US 1998-60/104,156 19981014

=> d 16 ibib 1-4

L6 ANSWER 1 OF 8 PCTFULL COPYRIGHT 2006 Univentio on STN
ACCESSION NUMBER: 2005086612 PCTFULL ED 20050927 EW 200538
TITLE (ENGLISH): FLUORINATED CARBOHYDRATE CONJUGATES
TITLE (FRENCH): CONJUGUES GLUCIDIQUES FLUORES
INVENTOR(S): MCBRIDE, William J., 116 Glover Street, Boonton, NJ
07005, US [US, US];
GOLDENBERG, David M., 1 Charolais Farm Road, Mendham,
NJ 07945, US [US, US]
PATENT ASSIGNEE(S): IMMUNOMEDICS, INC., 300 American Road, Morris Plains,
NJ 07950, US [US, US], for all designates States except
US;
MCBRIDE, William J., 116 Glover Street, Boonton, NJ
07005, US [US, US], for US only;
GOLDENBERG, David M., 1 Charolais Farm Road, Mendham,
NJ 07945, US [US, US], for US only
AGENT: BOOTH, Paul, M., \$, Heller Ehrman White & McAuliffe LLP,
Suite 300, 1666 K Street, NW, Washington, DC
20006-1228\$, US

LANGUAGE OF FILING: English
LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2005086612	A2	20050922

DESIGNATED STATES

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CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR
HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV
MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
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VC VN YU ZA ZM ZW

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RW (EAPO): AM AZ BY KG KZ MD RU TJ TM

RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU
MC NL PL PT RO SE SI SK TR

RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

APPLICATION INFO.:

WO 2004-US24237 A 20040729

PRIORITY INFO.:

US 2003-60/490,884 20030729

L6 ANSWER 2 OF 8

ACCESSION NUMBER:

PCTFULL COPYRIGHT 2006 Univentio on STN

2005077071 PCTFULL ED 20050829 EW 200534

TITLE (ENGLISH):

THERAPEUTIC AND DIAGNOSTIC CONJUGATES FOR USE WITH
MULTISPECIFIC ANTIBODIES

TITLE (FRENCH):

CONJUGUES THERAPEUTIQUES ET DIAGNOSTIQUES UTILISABLES
AVEC DES ANTICORPS MULTISPECIFIQUES

INVENTOR(S):

MCBRIDE, William J., 116 Glover Street, Boonton, NJ
07005, US [US, US];
GOLDENBERG, David, M., 1 Charolais Farm Road, Mendham,
NJ 07945, US [US, US];
NOREN, Carl, 70 Hickory Way, Mt. Arlington, NJ
07856-1357, US [US, US];
HANSEN, Hans, J., 6014 Angler Drive, Picayune, MS
39466, US [US, US]

PATENT ASSIGNEE(S):

IMMUNOMEDICS, INC., 300 American Road, Morris Plains,
NJ 07950, US [US, US], for all designates States except
US;
MCBRIDE, William J., 116 Glover Street, Boonton, NJ
07005, US [US, US], for US only;
GOLDENBERG, David, M., 1 Charolais Farm Road, Mendham,
NJ 07945, US [US, US], for US only;
NOREN, Carl, 70 Hickory Way, Mt. Arlington, NJ
07856-1357, US [US, US], for US only;
HANSEN, Hans, J., 6014 Angler Drive, Picayune, MS
39466, US [US, US], for US only

AGENT:

BOOTH, Paul, M.\$, Heller Ehrman White & McAuliffe LLP,
Suite 300, 1666 K Street, NW, Washington, DC
20006-1228\$, US

LANGUAGE OF FILING:

English

LANGUAGE OF PUBL.:

English

DOCUMENT TYPE:

Patent

PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2005077071	A2	20050825

DESIGNATED STATES

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AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO
CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR
HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV
MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ

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 RW (OAPI): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT
 APPLICATION INFO.: LT LU MC NL PL PT RO SE SI SK TR
 PRIORITY INFO.: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 WO 2005-US4177 A 20050211
 US 2004-10/776,470 20040211

L6 ANSWER 3 OF 8 PCTFULL COPYRIGHT 2006 Univentio on STN
 ACCESSION NUMBER: 2005021494 PCTFULL ED 20050315 EW 200510
 TITLE (ENGLISH): D-AMINO ACID PEPTIDES
 TITLE (FRENCH): PEPTIDES D'ACIDES AMINES D
 INVENTOR(S): MCBRIDE, William, J., 116 Glover Street, Boonton, NJ 07005, US [US, US]; GOLDENBERG, David, M., 1 Charolais Farm Road, Mendham, NJ 07945, US [US, US]
 PATENT ASSIGNEE(S): IMMUNOMEDICS, INC., 300 American Road, Morris Plains, NJ 07950, US [US, US], for all designates States except US;
 MCBRIDE, William, J., 116 Glover Street, Boonton, NJ 07005, US [US, US], for US only;
 GOLDENBERG, David, M., 1 Charolais Farm Road, Mendham, NJ 07945, US [US, US], for US only
 AGENT: BOOTH, Paul, M. S., Heller Ehrman White, & McAuliffe LLP, Suite 300, 1666 K Street, NW, Washington, DC 20006-1228\$, US

LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

	NUMBER	KIND	DATE
	WO 2005021494	A2	20050310

DESIGNATED STATES
 W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

RW (ARIPO): BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
 RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
 RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO SE SI SK TR
 RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 APPLICATION INFO.: WO 2004-US18646 A 20040614
 PRIORITY INFO.: US 2003-60/478,403 20030613

L6 ANSWER 4 OF 8 PCTFULL COPYRIGHT 2006 Univentio on STN
 ACCESSION NUMBER: 2005004809 PCTFULL ED 20050125 EW 200503
 TITLE (ENGLISH): MULTIVALENT CARRIERS OF BI-SPECIFIC ANTIBODIES
 TITLE (FRENCH): PORTEUSES POLYVALENTEES D'ANTICORPS BISPECIFIQUES
 INVENTOR(S): HANSEN, Hans, J., 6014 Angler Drive, Picayune, MS 39466, US [US, US]; MCBRIDE, William, J., 116 Glover Street, Boonton, NJ 07005, US [US, US]; QU, Zhengxing, 15 Sycamore Way, Warren, NJ 07059, US [US, US]

PATENT ASSIGNEE(S): IMMUNOMEDICS, INC., 300 American Road, Morris Plains, NJ 07950, US [US, US], for all designates States except US;
 HANSEN, Hans, J., 6014 Angler Drive, Picayune, MS

39466, US [US, US], for US only;
 MCBRIDE, William, J., 116 Glover Street, Boonton, NJ
 07005, US [US, US], for US only;
 QU, Zhengxing, 15 Sycamore Way, Warren, NJ 07059, US
 [US, US], for US only
 AGENT: BOOTH, Paul, M.Ş., Heller Ehrman White & McAuliffe LLP,
 Suite 300, 1666 K Street, NW, Washington, DC
 20006-1228\$, US
 LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:
 NUMBER KIND DATE

 WO 2005004809 A2 20050120
 DESIGNATED STATES
 W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO
 CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR
 HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV
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 VC VN YU ZA ZM ZW
 RW (ARIPO): BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
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 RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU
 MC NL PL PT RO SE SI SK TR
 RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 APPLICATION INFO.: WO 2004-US20995 A 20040701
 PRIORITY INFO.: US 2003-60/483,832 20030701

=> d 16 ibib 5-8

L6 ANSWER 5 OF 8 PCTFULL COPYRIGHT 2006 Univentio on STN
 ACCESSION NUMBER: 2004054622 PCTFULL ED 20040707 EW 200427
 TITLE (ENGLISH): IMMUNOCONJUGATES WITH AN INTRACELLULARY-CLEAVABLE
 LINKAGE
 TITLE (FRENCH): IMMUNOCONJUGUES COMPRENANT UNE LIAISON INTRACELLULAIRE
 CLIVABLE
 INVENTOR(S): GOVINDAN, V., Serengulam, 106 Passaic Avenue, Summit,
 NJ 07901, US [US, US]
 PATENT ASSIGNEE(S): IMMUNOMEDICS, INC., 300 American Road, Morris Plains,
 NJ 07950, US [US, US], for all designates States except
 US;
 McCALL, John, Douglas, 25 Haddon Drive, Pensby, Wirral
 CH61 8TF, GB [GB, GB], for BB MG only;
 GOVINDAN, V., Serengulam, 106 Passaic Avenue, Summit,
 NJ 07901, US [US, US], for US only
 W.P. THOMPSON & CO.Ş., Coopers Building, Church Street,
 Liverpool L1 3AB\$, GB
 AGENT:
 LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:
 NUMBER KIND DATE

 WO 2004054622 A1 20040701
 DESIGNATED STATES
 W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO
 CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR
 HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV
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RW (ARIPO): VN YU ZA ZM ZW
 RW (EAPO): BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
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 RW (OAPI): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU
 MC NL PT RO SE SI SK TR
 BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 APPLICATION INFO.: WO 2003-GB5454 A 20031215
 PRIORITY INFO.: US 2002-60/433,017 20021213

L6 ANSWER 6 OF 8 PCTFULL COPYRIGHT 2006 Univentio on STN
 ACCESSION NUMBER: 2003097105 PCTFULL ED 20031202 EW 200348
 TITLE (ENGLISH): DRUG PRE-TARGETING BY MEANS OF BI-SPECIFIC ANTIBODIES
 AND HAPten CONSTRUCTS COMPRISING A CARRIER PEPTIDE AND
 THE ACTIVE AGENT (S)
 TITLE (FRENCH): PRE-CIBLAGE DE MEDICAMENTS AU MOYEN D'ANTICORPS
 BI-SPECIFIQUES ET CONSTRUCTIONS HAPtenIQUES A BASE DE
 PEPTIDE VECTEUR ET DES PRINCIPES ACTIFS
 INVENTOR(S): GOLDENBERG, David, M., 330 Pleasant Valley Road,
 Mendham, NJ 07945, US [US, US];
 HANSEN, Hans, 6014 Angler Drive, Picayune, MS 39466, US
 [US, US];
 LEUNG, Shui-on, 10C, University Residence No. 16-
 The Chinese University of Hong Kong, Shatin, N.T.
 07059, Hong Kong, CN [US, CN];
 MCBRIDE, William, J., 116 Glover Street, Boonton, NJ
 07005, US [US, US];
 QU, Zhengxing, 15 Sycamore Way, Warren, NJ 07059, US
 [US, US]

PATENT ASSIGNEE(S): IMMUNOMEDICS, INC., 300 American Road, Morris Plains,
 NJ 07950, US [US, US], for all designates States except
 US;
 McCall, John, Douglas, 25 Haddon Drive, Pensby Wirral
 CH61 8TF, GB [GB, GB], for BB MG only;
 GOLDENBERG, David, M., 330 Pleasant Valley Road,
 Mendham, NJ 07945, US [US, US], for US only;
 HANSEN, Hans, 6014 Angler Drive, Picayune, MS 39466, US
 [US, US], for US only;
 LEUNG, Shui-on, 10C, University Residence No. 16-
 The Chinese University of Hong Kong, Shatin, N.T.
 07059, Hong Kong, CN [US, CN], for US only;
 MCBRIDE, William, J., 116 Glover Street, Boonton, NJ
 07005, US [US, US], for US only;
 QU, Zhengxing, 15 Sycamore Way, Warren, NJ 07059, US
 [US, US], for US only

AGENT: W.P. THOMPSON & CO.£, Coopers Building, Church Street,
 Liverpool L1 3AB\$, GB

LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2003097105	A1	20031127

DESIGNATED STATES
 W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
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 RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
 RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU

RW (OAPI): MC NL PT RO SE SI SK TR
 APPLICATION INFO.: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 PRIORITY INFO.: WO 2003-GB2110 A 20030516
 US 2002-10/150,654 20020517

L6 ANSWER 7 OF 8 PCTFULL COPYRIGHT 2006 Univentio on STN
 ACCESSION NUMBER: 2003011342 PCTFULL ED 20030228 EW 200307
 TITLE (ENGLISH): POLYMERIC DELIVERY SYSTEMS
 TITLE (FRENCH): SYSTEMES D'ADMINISTRATION DE POLYMERES
 INVENTOR(S): GRIFFITHS, Gary, L., 36 Edgehill Avenue, Morristown, NJ 07960, US
 PATENT ASSIGNEE(S): IMMUNOMEDICS, INC., 300 American Road, Morris Plains, NJ 07950, US [US, US];
 MCCALL, John, Douglas, 25 Haddon Drive, Pensby, Wirral CH61 8TF, GB [GB, GB], for BB MG only
 W.P. THOMPSON & CO. S., Coopers Building, Church Street, Liverpool L1 3AB\$, GB

AGENT: English
 LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2003011342	A2	20030213

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 RW (EAPO): WO 2002-GB3494 A 20020731
 RW (EPO): US 2001-60/308,605 20010731

L6 ANSWER 8 OF 8 PCTFULL COPYRIGHT 2006 Univentio on STN
 ACCESSION NUMBER: 1999066951 PCTFULL ED 20020515
 TITLE (ENGLISH): USE OF BI-SPECIFIC ANTIBODIES FOR PRE-TARGETING
 DIAGNOSIS AND THERAPY
 TITLE (FRENCH): UTILISATION D'ANTICORPS BI-SPECIFIQUES POUR DIAGNOSTIC
 ET THERAPIE DE PRE-CIBLAGE
 INVENTOR(S): HANSEN, Hans, J.;
 GRIFFITHS, Gary, L.;
 LEUNG, Shui-on;
 MCBRIDE, William, J.;
 QU, Zhengxing
 PATENT ASSIGNEE(S): IMMUNOMEDICS, INC.;
 HANSEN, Hans, J.;
 GRIFFITHS, Gary, L.;
 LEUNG, Shui-on;
 MCBRIDE, William, J.;
 QU, Zhengxing
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

NUMBER	KIND	DATE
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DESIGNATED STATES
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MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD
TG

APPLICATION INFO.: WO 1999-US13879 A 19990622
PRIORITY INFO.: US 1998-60/090,142 19980622
US 1998-60/104,156 19981014

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(FILE 'HOME' ENTERED AT 12:02:56 ON 03 JAN 2006)

FILE 'PCTFULL' ENTERED AT 12:03:09 ON 03 JAN 2006

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L2 435 S L1 (S) LINK?
L3 912 S CD22
L4 588 S (CPT () 11) OR (SN () 38)
L5 34 S L4 AND L3
L6 8 S L5 AND L2
L7 1 S L6 NOT PY>2002

=> s 12 and 13
L8 20 L2 AND L3

=> s 18 not py>2002
347751 PY>2002
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451737 PY>2001
L10 2 L9 NOT PY>2001

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L10 ANSWER 1 OF 2 PCTFULL COPYRIGHT 2006 Univentio on STN
ACCESSION NUMBER: 1999066951 PCTFULL ED 20020515
TITLE (ENGLISH): USE OF BI-SPECIFIC ANTIBODIES FOR PRE-TARGETING
DIAGNOSIS AND THERAPY
TITLE (FRENCH): UTILISATION D'ANTICORPS BI-SPECIFIQUES POUR DIAGNOSTIC
ET THERAPIE DE PRE-CIBLAGE
INVENTOR(S): HANSEN, Hans, J.;
GRIFFITHS, Gary, L.;
LEUNG, Shui-on;
MCBRIDE, William, J.;
QU, Zhengxing
PATENT ASSIGNEE(S): IMMUNOMEDICS, INC.;
HANSEN, Hans, J.;
GRIFFITHS, Gary, L.;
LEUNG, Shui-on;
MCBRIDE, William, J.;
QU, Zhengxing

LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent

PATENT INFORMATION:

NUMBER	KIND	DATE
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WO 9966951	A2	19991229
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DESIGNATED STATES
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YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ
MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU
MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD
TG

APPLICATION INFO.: WO 1999-US13879 A 19990622
PRIORITY INFO.: US 1998-60/090,142 19980622
US 1998-60/104,156 19981014

L10 ANSWER 2 OF 2 PCTFULL COPYRIGHT 2006 Univentio on STN
ACCESSION NUMBER: 1999055310 PCTFULL ED 20020515
TITLE (ENGLISH): STABILIZED PROTEIN CRYSTALS, FORMULATIONS CONTAINING
THEM AND METHODS OF MAKING THEM
TITLE (FRENCH): CRISTAUX DE PROTEINES STABILISEES, FORMULATIONS
RENFERMANT LESDITS CRISTAUX ET LEURS PROCEDES DE
FABRICATION
INVENTOR(S): MARGOLIN, Alexey, L.;
KHALAF, Nazer, K.;
ST. CLAIR, Nancy, L.;
RAKESTRAW, Scott, L.;
SHENOY, Bhami, C.
PATENT ASSIGNEE(S): ALTUS BIOLOGICS INC.;
MARGOLIN, Alexey, L.;
KHALAF, Nazer, K.;
ST. CLAIR, Nancy, L.;
RAKESTRAW, Scott, L.;
SHENOY, Bhami, C.

LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent

PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9955310	A1	19991104

DESIGNATED STATES

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AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK
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PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN
YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ
MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU
MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD
TG

APPLICATION INFO.: WO 1999-US9099 A 19990427
PRIORITY INFO.: US 1998-60/083,148 19980427
US 1998-09/224,475 19981231

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L1 1335 S ESTERAS? (S) CLEAV?
L2 435 S L1 (S) LINK?
L3 912 S CD22
L4 588 S (CPT () 11) OR (SN () 38)
L5 34 S L4 AND L3
L6 8 S L5 AND L2
L7 1 S L6 NOT PY>2002
L8 20 S L2 AND L3
L9 6 S L8 NOT PY>2002

L10

2 S L9 NOT PY>2001

=> d19 ibib 1-4

DL9 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> d 19 ibib 1-4

L9 ANSWER 1 OF 6	PCTFULL COPYRIGHT 2006 Univentio on STN
ACCESSION NUMBER:	2002088172 PCTFULL ED 20021115 EW 200245
TITLE (ENGLISH):	PENTAPEPTIDE COMPOUNDS AND USES RELATED THERETO
TITLE (FRENCH):	COMPOSES PENTAPEPTIDIQUES ET LEURS UTILISATIONS
INVENTOR(S):	DORONINA, Svetlana, 12001 Woodinville Drive, T301, Bothell, WA 98011, US [RU, US]; SENTER, Peter, D., 9000 40th Avenue N.E., Seattle, WA 98115, US [US, US]; TOKI, Brian, E., 16720 6th Avenue West, C-204, Lynnwood, WA 98037, US [US, US]
PATENT ASSIGNEE(S):	SEATTLE GENETICS, INC., 21823 30th Drive, S.E., Bothell, WA 98021, US [US, US], for all designates States except US; DORONINA, Svetlana, 12001 Woodinville Drive, T301, Bothell, WA 98011, US [RU, US], for US only; SENTER, Peter, D., 9000 40th Avenue N.E., Seattle, WA 98115, US [US, US], for US only; TOKI, Brian, E., 16720 6th Avenue West, C-204, Lynnwood, WA 98037, US [US, US], for US only
AGENT:	ANTLER, Adriane, M. S., Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036\$, US
LANGUAGE OF FILING:	English
LANGUAGE OF PUBL.:	English
DOCUMENT TYPE:	Patent
PATENT INFORMATION:	NUMBER KIND DATE

DESIGNATED STATES	WO 2002088172 A2 20021107
W:	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
RW (ARIPO):	AM AZ BY KG KZ MD RU TJ TM
RW (EAPO):	AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
RW (EPO):	BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
APPLICATION INFO.:	WO 2002-US13435 A 20020430
PRIORITY INFO.:	US 2001-09/845,786 20010430 US 2001-10/001,191 20011101

L9 ANSWER 2 OF 6

ACCESSION NUMBER:	PCTFULL COPYRIGHT 2006 Univentio on STN
TITLE (ENGLISH):	2002076428 PCTFULL ED 20021011 EW 200240
TITLE (FRENCH):	LIPOSOME COMPOSITION FOR IMPROVED INTRACELLULAR DELIVERY OF A THERAPEUTIC AGENT
INVENTOR(S):	COMPOSITION DE LIPOSOME POUR UNE MEILLEURE ADMINISTRATION INTRACELLULAIRE D'UN AGENT THERAPEUTIQUE ZALIPSKY, Samuel, 1202 Truman Street, Redwood City, CA 94061, US; ALLEN, Theresa, M., University of Alberta, Deparptment of Pharmacology, 931 Medical Sciences Building,

PATENT ASSIGNEE(S): Edmonton, Alberta T6G 2H7, CA;
HUANG, Shi, Kun, 18798 Madison Avenue, Castro Valley,
CA 94546, US
ALZA CORPORATION, 1900 Charleston Road, Building M10-3,
P.O. Box 7210, Mountain View, CA 94030-7210, US [US,
US]

AGENT: SIMBOLI, Paul, B.S., ALZA Corporation, 1900 Charleston
Road, M10-3, P.O. Box 7210, Mountain View, CA 94039\$,
US

LANGUAGE OF FILING: English
LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE
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WO 2002076428	A1	20021003

DESIGNATED STATES
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD
MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
RW (ARIPO): AM AZ BY KG KZ MD RU TJ TM
RW (EAPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
TR
RW (EPO): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
APPLICATION INFO.: WO 2002-US9330 A 20020326
PRIORITY INFO.: US 2001-60/278,869 20010326

L9 ANSWER 3 OF 6
ACCESSION NUMBER: PCTFULL COPYRIGHT 2006 Univentio on STN
TITLE (ENGLISH): 2002070742 PCTFULL ED 20020926 EW 200237
METHOD FOR THE DEVELOPMENT OF GENE PANELS FOR
DIAGNOSTIC AND THERAPEUTIC PURPOSES BASED ON THE
EXPRESSION AND METHYLATION STATUS OF THE GENES
TITLE (FRENCH): PROCEDE DE MISE AU POINT DE GROUPES D'ECHANTILLONS DE
GENES A DES FINS DE DIAGNOSTIC ET DE THERAPIE QUI SONT
BASES SUR L'EXPRESSION ET L'ETAT DE METHYLATION DES
GENES

INVENTOR(S): OLEK, Alexander, Schroederstrasse 13/2, 10115 Berlin,
DE;
BERLIN, Kurt, Marienkaeferweg 4, 14532 Stahndorf, DE
EPIGENOMICS AG, Kastanienalle 24, 10435 Berlin, DE [DE,
DE]

AGENT: SCHOHE, Stefan\$, Boehmert & Boehmert, Pettenkoferstr.
20-22, 80336 Muenchen\$, DE

LANGUAGE OF FILING: English
LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE
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WO 2002070742	A1	20020912

DESIGNATED STATES
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD
MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
RW (ARIPO): AM AZ BY KG KZ MD RU TJ TM
RW (EAPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
TR

RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 APPLICATION INFO.: WO 2002-EP2255 A 20020301
 PRIORITY INFO.: US 2001-60/272,549 20010301

L9 ANSWER 4 OF 6 PCTFULL COPYRIGHT 2006 Univentio on STN
 ACCESSION NUMBER: 2002070741 PCTFULL ED 20020926 EW 200237
 TITLE (ENGLISH): METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR
 DETERMINING THE BIOLOGICAL EFFECT AND/OR ACTIVITY OF
 DRUGS, CHEMICAL SUBSTANCES AND/OR PHARMACEUTICAL
 COMPOSITIONS BASED ON THEIR EFFECT ON THE METHYLATION
 STATUS OF THE DNA

TITLE (FRENCH): PROCEDES, SYSTEMES ET PRODUITS PROGRAMMES INFORMATIQUES
 PERMETTANT DE DETERMINER L'EFFET BIOLOGIQUE ET/OU
 L'ACTIVITE DE MEDICAMENTS, DE SUBSTANCES CHIMIQUES
 ET/OU DE COMPOSITIONS PHARMACEUTIQUES, SUR LA BASE DE
 LEUR EFFET SUR L'ETAT DE METHYLATION DE L'ADN

INVENTOR(S): OLEK, Alexander, Schroederstrasse 13/2, 10115 Berlin,
 DE;
 BERLIN, Kurt, Marienkaeferweg 4, 14532 Stahnsdorf, DE
 EPIGENOMICS AG, Kastanienallee 24, 10435 Berlin, DE
 [DE, DE]

AGENT: SCHOHE, Stefan\$, Boehmert & Boehmert,
 Pettenkoferstrasse 20-22, 80336 Muenchen\$, DE

LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2002070741	A2	20020912

DESIGNATED STATES
 W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
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 MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
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 GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
 AM AZ BY KG KZ MD RU TJ TM
 AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
 TR
 RW (ARIPO): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 RW (EAPO): WO 2002-EP2254 A 20020301
 RW (EPO): US 2001-60/272,484 20010301

=> d ibib

L10 ANSWER 1 OF 2 PCTFULL COPYRIGHT 2006 Univentio on STN
 ACCESSION NUMBER: 1999066951 PCTFULL ED 20020515
 TITLE (ENGLISH): USE OF BI-SPECIFIC ANTIBODIES FOR PRE-TARGETING
 DIAGNOSIS AND THERAPY
 UTILISATION D'ANTICORPS BI-SPECIFIQUES POUR DIAGNOSTIC
 ET THERAPIE DE PRE-CIBLAGE

TITLE (FRENCH): HANSEN, Hans, J.;
 INVENTOR(S): GRIFFITHS, Gary, L.;
 LEUNG, Shui-on;
 MCBRIDE, William, J.;
 QU, Zhengxing
 PATENT ASSIGNEE(S): IMMUNOMEDICS, INC.;
 HANSEN, Hans, J.;
 GRIFFITHS, Gary, L.;
 LEUNG, Shui-on;
 MCBRIDE, William, J.;

LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

QU, Zhengxing
English
Patent

NUMBER	KIND	DATE
WO 9966951	A2	19991229

DESIGNATED STATES
W:

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN
YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ
MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU
MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD
TG

APPLICATION INFO.:

WO 1999-US13879 A 19990622

PRIORITY INFO.:

US 1998-60/090,142 19980622

US 1998-60/104,156 19981014

=> d his

(FILE 'HOME' ENTERED AT 12:02:56 ON 03 JAN 2006)

FILE 'PCTFULL' ENTERED AT 12:03:09 ON 03 JAN 2006

L1 1335 S ESTERAS? (S) CLEAV?
L2 435 S L1 (S) LINK?
L3 912 S CD22
L4 588 S (CPT () 11) OR (SN () 38)
L5 34 S L4 AND L3
L6 8 S L5 AND L2
L7 1 S L6 NOT PY>2002
L8 20 S L2 AND L3
L9 6 S L8 NOT PY>2002
L10 2 S L9 NOT PY>2001

=> s 12 and 14

L11 14 L2 AND L4

=> s 111 not py>2002

347751 PY>2002

L12 2 L11 NOT PY>2002

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L12 ANSWER 1 OF 2 PCTFULL COPYRIGHT 2006 Univentio on STN
ACCESSION NUMBER: 2000036101 PCTFULL ED 20020515
TITLE (ENGLISH): AN ATP-BINDING CASSETTE PROTEIN RESPONSIBLE FOR
CYTOTOXIN RESISTANCE
TITLE (FRENCH): PROTEINE DE CASSETTE DE LIAISON A L'ATP RESPONSABLE DE
LA RESISTANCE AUX CYTOTOXINES
INVENTOR(S): DEAN, Michael;
ALLIKMETS, Rando;
BATES, Susan, E.;
FOJO, Antonio, T.
PATENT ASSIGNEE(S): THE GOVERNMENT OF THE UNITED STATES OF AMERICA,
represented by THE SECRETARY, DEPARTMENT OF HEALTH AND
HUMAN SERVICES;
DEAN, Michael;
ALLIKMETS, Rando;
BATES, Susan, E.;
FOJO, Antonio, T.

LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2000036101	A2	20000622

DESIGNATED STATES
W:

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE
DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE
KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA
UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW
AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR
GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW
ML MR NE SN TD TG

APPLICATION INFO.:

WO 1999-US28107 A 19991124

PRIORITY INFO.:

US 1998-60/110,473 19981130

L12 ANSWER 2 OF 2

PCTFULL COPYRIGHT 2006 Univentio on STN

ACCESSION NUMBER:

1999066951 PCTFULL ED 20020515

TITLE (ENGLISH):

USE OF BI-SPECIFIC ANTIBODIES FOR PRE-TARGETING
DIAGNOSIS AND THERAPY

TITLE (FRENCH):

UTILISATION D'ANTICORPS BI-SPECIFIQUES POUR DIAGNOSTIC
ET THERAPIE DE PRE-CIBLAGE

INVENTOR(S):

HANSEN, Hans, J.;
GRIFFITHS, Gary, L.;
LEUNG, Shui-on;
MCBRIDE, William, J.;
QU, Zhengxing

PATENT ASSIGNEE(S):

IMMUNOMEDICS, INC.;
HANSEN, Hans, J.;
GRIFFITHS, Gary, L.;
LEUNG, Shui-on;
MCBRIDE, William, J.;
QU, Zhengxing

LANGUAGE OF PUBL.:

English

DOCUMENT TYPE:

Patent

PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9966951	A2	19991229

DESIGNATED STATES

W:

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN
YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ
MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU
MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD
TG

APPLICATION INFO.:

WO 1999-US13879 A 19990622

PRIORITY INFO.:

US 1998-60/090,142 19980622

US 1998-60/104,156 19981014

=> d his

(FILE 'HOME' ENTERED AT 12:02:56 ON 03 JAN 2006)

FILE 'PCTFULL' ENTERED AT 12:03:09 ON 03 JAN 2006

L1 1335 S ESTERAS? (S) CLEAV?
L2 435 S L1 (S) LINK?
L3 912 S CD22

L4 588 S (CPT () 11) OR (SN () 38)
L5 34 S L4 AND L3
L6 8 S L5 AND L2
L7 1 S L6 NOT PY>2002
L8 20 S L2 AND L3
L9 6 S L8 NOT PY>2002
L10 2 S L9 NOT PY>2001
L11 14 S L2 AND L4
L12 2 S L11 NOT PY>2002

=> s antibod?
L13 84196 ANTIBOD?

=> s l13 and l2
L14 361 L13 AND L2

=> s tetrahydopyran or tetrhydrofuran or THP or THF
28 TETRAHYDOPYRAN
40 TETRAHYDROFURAN
6057 THP
94 THPS
6104 THP
(THP OR THPS)
33713 THF
77 THFS
33763 THF
(THF OR THFS)
L15 37630 TETRAHYDOPYRAN OR TETRAHYDROFURAN OR THP OR THF

=> s maleimi?
L16 11310 MALEIMI?

=> s l16 and l15
L17 1845 L16 AND L15

=> s l17 and l14
L18 40 L17 AND L14

=> s l18 not py>2002
347751 PY>2002
L19 22 L18 NOT PY>2002

=> s cancer? or tumor? or neoplas?
74539 CANCER?
62442 TUMOR?
21534 NEOPLAS?
L20 93014 CANCER? OR TUMOR? OR NEOPLAS?

=> s l19 and l20
L21 20 L19 AND L20

=> s l21 not py>2001
451737 PY>2001
L22 17 L21 NOT PY>2001

=> s conjugate? or immunoconjugate?
66417 CONJUGATE?
2002 IMMUNOCONJUGATE?
L23 66507 CONJUGATE? OR IMMUNOCONJUGATE?

=> s l23 and l22
L24 15 L23 AND L22

=> d ibib 1-6

L24 ANSWER 1 OF 15 PCTFULL COPYRIGHT 2006 Univentio on STN
ACCESSION NUMBER: 1999041266 PCTFULL ED 20020515
TITLE (ENGLISH): SPHINGOLIPID DERIVATIVES AND THEIR METHODS OF USE
TITLE (FRENCH): DERIVES DE SPHINGOLIPIDES ET PROCEDES D'UTILISATION
INVENTOR(S): LIOTTA, Dennis, C.;
MERRILL, Alfred, H., Jr.;
KEANE, Thomas, E.;
SCHMELZ, Eva, M.;
BHALLA, Kapil, N.
PATENT ASSIGNEE(S): EMORY UNIVERSITY;
LIOTTA, Dennis, C.;
MERRILL, Alfred, H., Jr.;
KEANE, Thomas, E.;
SCHMELZ, Eva, M.;
BHALLA, Kapil, N.
LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9941266	A1	19990819

DESIGNATED STATES

W: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI
GB GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM
TR TT UA UG US UZ VN AM AZ BY KG KZ MD RU TJ TM AT BE
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ
CF CG CI CM GA GN GW ML MR NE SN TD TG

APPLICATION INFO.: WO 1999-US3093 A 19990212

PRIORITY INFO.: US 1998-60/074,536 19980212

L24 ANSWER 2 OF 15 PCTFULL COPYRIGHT 2006 Univentio on STN
ACCESSION NUMBER: 1999005319 PCTFULL ED 20020515
TITLE (ENGLISH): METHODS AND COMPOUNDS FOR ANALYZING NUCLEIC ACIDS BY
MASS SPECTROMETRY
TITLE (FRENCH): PROCEDES ET COMPOSITIONS POUR L'ANALYSE DE MOLECULES
D'ACIDES NUCLEIQUES AU MOYEN DE TECHNIQUES DE CALIBRAGE
INVENTOR(S): VAN NESS, Jeffrey;
TABONE, John, C.;
HOWBERT, Jeffry;
MULLIGAN, John, T.
PATENT ASSIGNEE(S): RAPIGENE, INC.;
VAN NESS, Jeffrey;
TABONE, John, C.;
HOWBERT, Jeffry;
MULLIGAN, John, T.
LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9905319	A2	19990204

DESIGNATED STATES

W: AL AM AT AU BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE
SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH GM KE
LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF
CG CI CM GA GN GW ML MR NE SN TD TG

APPLICATION INFO.: WO 1998-US15008 A 19980722

PRIORITY INFO.: US 1997-08/898,180 19970722
 US 1997-08/898,564 19970722
 US 1997-08/898,501 19970722

L24 ANSWER 3 OF 15
ACCESSION NUMBER: PCTFULL COPYRIGHT 2006 Univentio on STN
 1998050041 PCTFULL ED 20020514
TITLE (ENGLISH): NOVEL PRODRUGS COMPRISING FLUORINATED AMPHIPHILES
TITLE (FRENCH): NOUVEAUX PROMEDICAMENTS RENFERMANT DES AMPHIPHILES
FLUORES
INVENTOR(S): UNGER, Evan, C.
PATENT ASSIGNEE(S): IMARX PHARMACEUTICAL CORP.
LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9850041	A1	19981112

DESIGNATED STATES
W: AU BR CA JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU
 MC NL PT SE
APPLICATION INFO.: WO 1998-US7712 A 19980415
PRIORITY INFO.: US 1997-8/851,780 19970506
 US 1997-8/887,215 19970702

L24 ANSWER 4 OF 15
ACCESSION NUMBER: PCTFULL COPYRIGHT 2006 Univentio on STN
 1998047541 PCTFULL ED 20020514
TITLE (ENGLISH): CONTRAST AGENTS
TITLE (FRENCH): AGENTS DE CONTRASTE
INVENTOR(S): KLAIVENESS, Jo;
 NAEVESTAD, Anne;
 BLACK, Christopher;
 WOLFE, Henry;
 TOLLESHAUG, Helge
PATENT ASSIGNEE(S): NYCOMED IMAGING AS;
 COCKBAIN, Julian, Roderick, Michaelson;
 KLAIVENESS, Jo;
 NAEVESTAD, Anne;
 BLACK, Christopher;
 WOLFE, Henry;
 TOLLESHAUG, Helge
LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9847541	A1	19981029

DESIGNATED STATES
W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
 ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC
 LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU
 SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH
 GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT
 BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF
 BJ CF CG CI CM GA GN ML MR NE SN TD TG
APPLICATION INFO.: WO 1998-GB1197 A 19980424
PRIORITY INFO.: GB 1997-9708265.5 19970424

L24 ANSWER 5 OF 15
ACCESSION NUMBER: PCTFULL COPYRIGHT 2006 Univentio on STN
 1998028443 PCTFULL ED 20020514
TITLE (ENGLISH): METHOD FOR POLYNUCLEOTIDE AMPLIFICATION
TITLE (FRENCH): METHODE D'AMPLIFICATION DES POLYNUCLEOTIDES
INVENTOR(S): ULLMAN, Edwin, F.;
 LISHANSKI, Alla;

PATENT ASSIGNEE(S): KURN, Nurith
 DADE BEHRING MARBURG GMBH;
 ULLMAN, Edwin, F.
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:
 NUMBER KIND DATE

 WO 9828443 A1 19980702

DESIGNATED STATES
 W: CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT
 SE

APPLICATION INFO.: WO 1997-US23706 A 19971217
 PRIORITY INFO.: US 1996-60/033,137 19961220
 US 1997-8/965,492 19971106

L24 ANSWER 6 OF 15 PCTFULL COPYRIGHT 2006 Univentio on STN
 ACCESSION NUMBER: 1998018496 PCTFULL ED 20020514
 TITLE (ENGLISH): CONTRAST AGENTS
 TITLE (FRENCH): AGENTS DE CONTRASTE
 INVENTOR(S): KLAIVENESS, Jo;
 NAEVESTAD, Anne;
 CUTHBERTSON, Alan
 PATENT ASSIGNEE(S): NYCOMED IMAGING AS;
 COCKBAIN, Julian;
 KLAIVENESS, Jo;
 NAEVESTAD, Anne;
 CUTHBERTSON, Alan
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:
 NUMBER KIND DATE

 WO 9818496 A2 19980507

DESIGNATED STATES
 W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
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 SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH KE LS
 MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE
 DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI
 CM GA GN ML MR NE SN TD TG
 APPLICATION INFO.: WO 1997-GB2956 A 19971028
 PRIORITY INFO.: GB 1996-9622368.0 19961028
 GB 1996-9622365.6 19961028
 GB 1996-9622364.9 19961028
 GB 1996-9622369.8 19961028
 GB 1996-9622366.4 19961028
 GB 1996-9622367.2 19961028
 GB 1997-9700699.3 19970115
 GB 1997-9702195.0 19970204
 GB 1997-9706063.6 19970324

=> d his

(FILE 'HOME' ENTERED AT 12:02:56 ON 03 JAN 2006)

FILE 'PCTFULL' ENTERED AT 12:03:09 ON 03 JAN 2006
 L1 1335 S ESTERAS? (S) CLEAV?
 L2 435 S L1 (S) LINK?
 L3 912 S CD22
 L4 588 S (CPT () 11) OR (SN () 38)

L5 34 S L4 AND L3
L6 8 S L5 AND L2
L7 1 S L6 NOT PY>2002
L8 20 S L2 AND L3
L9 6 S L8 NOT PY>2002
L10 2 S L9 NOT PY>2001
L11 14 S L2 AND L4
L12 2 S L11 NOT PY>2002
L13 84196 S ANTIBOD?
L14 361 S L13 AND L2
L15 37630 S TETRAHYDOPYRAN OR TETRAHYDROFURAN OR THP OR THF
L16 11310 S MALEIMI?
L17 1845 S L16 AND L15
L18 40 S L17 AND L14
L19 22 S L18 NOT PY>2002
L20 93014 S CANCER? OR TUMOR? OR NEOPLAS?
L21 20 S L19 AND L20
L22 17 S L21 NOT PY>2001
L23 66507 S CONJUGATE? OR IMMUNOCONJUGATE?
L24 15 S L23 AND L22

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L25 19 L19 NOT PY>2000

=> d ibib 1-5

L25 ANSWER 1 OF 19 PCTFULL COPYRIGHT 2006 Univentio on STN
ACCESSION NUMBER: 1999065930 PCTFULL ED 20020515
TITLE (ENGLISH): VITAMIN B12 DERIVATIVES AND METHODS FOR THEIR
PREPARATION
TITLE (FRENCH): DERIVES DE VITAMINE B12 ET LEURS METHODES DE
PREPARATION
INVENTOR(S): RUSSELL-JONES, Greg;
MCEWAN, John
PATENT ASSIGNEE(S): BIOTECH AUSTRALIA PTY. LIMITED;
RUSSELL-JONES, Greg;
MCEWAN, John
LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9965930	A1	19991223

DESIGNATED STATES

W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN
YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ
MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU
MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD
TG

APPLICATION INFO.: WO 1999-AU462 A 19990611
PRIORITY INFO.: AU 1998-PP 4050 19980612

L25 ANSWER 2 OF 19 PCTFULL COPYRIGHT 2006 Univentio on STN
ACCESSION NUMBER: 1999055310 PCTFULL ED 20020515
TITLE (ENGLISH): STABILIZED PROTEIN CRYSTALS, FORMULATIONS CONTAINING
THEM AND METHODS OF MAKING THEM
TITLE (FRENCH): CRISTAUX DE PROTEINES STABILISEES, FORMULATIONS
RENFERMANT LESDITS CRISTAUX ET LEURS PROCEDES DE
FABRICATION

INVENTOR(S): MARGOLIN, Alexey, L.;
 KHALAF, Nazer, K.;
 ST. CLAIR, Nancy, L.;
 RAKESTRAW, Scott, L.;
 SHENOY, Bhami, C.

PATENT ASSIGNEE(S): ALTUS BIOLOGICS INC.;
 MARGOLIN, Alexey, L.;
 KHALAF, Nazer, K.;
 ST. CLAIR, Nancy, L.;
 RAKESTRAW, Scott, L.;
 SHENOY, Bhami, C.

LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9955310	A1	19991104

DESIGNATED STATES
 W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK
 EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
 KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
 PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN
 YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ
 MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU
 MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD
 TG

APPLICATION INFO.: WO 1999-US9099 A 19990427
 PRIORITY INFO.: US 1998-60/083,148 19980427
 US 1998-09/224,475 19981231

L25 ANSWER 3 OF 19
 ACCESSION NUMBER: 1999041266 PCTFULL ED 20020515
 TITLE (ENGLISH): SPHINGOLIPID DERIVATIVES AND THEIR METHODS OF USE
 TITLE (FRENCH): DERIVES DE SPHINGOLIPIDES ET PROCEDES D'UTILISATION
 INVENTOR(S): LIOTTA, Dennis, C.;
 MERRILL, Alfred, H., Jr.;
 KEANE, Thomas, E.;
 SCHMELZ, Eva, M.;
 BHALLA, Kapil, N.
 EMORY UNIVERSITY;
 LIOTTA, Dennis, C.;
 MERRILL, Alfred, H., Jr.;
 KEANE, Thomas, E.;
 SCHMELZ, Eva, M.;
 BHALLA, Kapil, N.

PATENT ASSIGNEE(S): English
 Patent

LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9941266	A1	19990819

DESIGNATED STATES
 W: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI
 GB GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD
 MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM
 TR TT UA UG US UZ VN AM AZ BY KG KZ MD RU TJ TM AT BE
 CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ
 CF CG CI CM GA GN GW ML MR NE SN TD TG

APPLICATION INFO.: WO 1999-US3093 A 19990212
 PRIORITY INFO.: US 1998-60/074,536 19980212

L25 ANSWER 4 OF 19
 ACCESSION NUMBER: 1999005319 PCTFULL ED 20020515

TITLE (ENGLISH): METHODS AND COMPOUNDS FOR ANALYZING NUCLEIC ACIDS BY MASS SPECTROMETRY
TITLE (FRENCH): PROCEDES ET COMPOSITIONS POUR L'ANALYSE DE MOLECULES D'ACIDES NUCLEIQUES AU MOYEN DE TECHNIQUES DE CALIBRAGE
INVENTOR(S): VAN NESS, Jeffrey;
TABONE, John, C.;
HOWBERT, Jeffry;
MULLIGAN, John, T.
PATENT ASSIGNEE(S): RAPIGENE, INC.;
VAN NESS, Jeffrey;
TABONE, John, C.;
HOWBERT, Jeffry;
MULLIGAN, John, T.

LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent

PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9905319	A2	19990204

DESIGNATED STATES

W: AL AM AT AU BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE
SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH GM KE
LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF
CG CI CM GA GN GW ML MR NE SN TD TG

APPLICATION INFO.:

WO 1998-US15008 A 19980722

PRIORITY INFO.:

US 1997-08/898,180 19970722

US 1997-08/898,564 19970722

US 1997-08/898,501 19970722

L25 ANSWER 5 OF 19

ACCESSION NUMBER:

PCTFULL COPYRIGHT 2006 Univentio on STN

1998050041 PCTFULL ED 20020514

TITLE (ENGLISH):

NOVEL PRODRUGS COMPRISING FLUORINATED AMPHIPHILES

TITLE (FRENCH):

NOUVEAUX PROMEDICAMENTS RENFERMANT DES AMPHIPHILES

FLUORES

INVENTOR(S): UNGER, Evan, C.

PATENT ASSIGNEE(S): IMARX PHARMACEUTICAL CORP.

LANGUAGE OF PUBL.:

English

DOCUMENT TYPE:

Patent

PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9850041	A1	19981112

DESIGNATED STATES

W: AU BR CA JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU
MC NL PT SE

APPLICATION INFO.:

WO 1998-US7712 A 19980415

PRIORITY INFO.:

US 1997-8/851,780 19970506

US 1997-8/887,215 19970702

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L25 ANSWER 6 OF 19

ACCESSION NUMBER:

PCTFULL COPYRIGHT 2006 Univentio on STN

1998047541 PCTFULL ED 20020514

TITLE (ENGLISH):

CONTRAST AGENTS

TITLE (FRENCH):

AGENTS DE CONTRASTE

INVENTOR(S):

KLAVENESS, Jo;

NAEVESTAD, Anne;

BLACK, Christopher;

WOLFE, Henry;

PATENT ASSIGNEE(S): TOLLESHAUG, Helge
 NYCOMED IMAGING AS;
 COCKBAIN, Julian, Roderick, Michaelson;
 KLAIVENESS, Jo;
 NAEVESTAD, Anne;
 BLACK, Christopher;
 WOLFE, Henry;
 TOLLESHAUG, Helge

LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent

PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9847541	A1	19981029

DESIGNATED STATES
 W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
 ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC
 LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU
 SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH
 GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT
 BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF
 BJ CF CG CI CM GA GN ML MR NE SN TD TG

APPLICATION INFO.: WO 1998-GB1197 A 19980424
 PRIORITY INFO.: GB 1997-9708265.5 19970424

L25 ANSWER 7 OF 19
 ACCESSION NUMBER: PCTFULL COPYRIGHT 2006 Univentio on STN
 1998046732 PCTFULL ED 20020514
 TITLE (ENGLISH): CONTROLLED DISSOLUTION CROSS-LINKED PROTEIN CRYSTALS
 TITLE (FRENCH): DISSOLUTION COMMANDEE DE CRISTAUX RETICULES DE PROTEINE
 INVENTOR(S): MARGOLIN, Alexey, L.;
 PERSICHETTI, Rose, A.;
 ST. CLAIR, Nancy, L.;
 KHALAF, Nazer, K.;
 SHENOY, Bhami, C.
 ALTUS BIOLOGICS INC.;
 MARGOLIN, Alexey, L.;
 PERSICHETTI, Rose, A.;
 ST. CLAIR, Nancy, L.;
 KHALAF, Nazer, K.;
 SHENOY, Bhami, C.

PATENT ASSIGNEE(S): English
 Patent

LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent

PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9846732	A1	19981022

DESIGNATED STATES
 W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
 ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC
 LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU
 SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH
 GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT
 BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF
 BJ CF CG CI CM GA GN ML MR NE SN TD TG

APPLICATION INFO.: WO 1998-US7287 A 19980410
 PRIORITY INFO.: US 1997-8/834,661 19970411

L25 ANSWER 8 OF 19
 ACCESSION NUMBER: PCTFULL COPYRIGHT 2006 Univentio on STN
 1998028443 PCTFULL ED 20020514
 TITLE (ENGLISH): METHOD FOR POLYNUCLEOTIDE AMPLIFICATION
 TITLE (FRENCH): METHODE D'AMPLIFICATION DES POLYNUCLEOTIDES
 INVENTOR(S): ULLMAN, Edwin, F.;
 LISHANSKI, Alla;

PATENT ASSIGNEE(S): KURN, Nurith
 DADE BEHRING MARBURG GMBH;
 ULLMAN, Edwin, F.
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:
 DESIGNATED STATES
 W: CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT
 SE
 APPLICATION INFO.: WO 1997-US23706 A 19971217
 PRIORITY INFO.: US 1996-60/033,137 19961220
 US 1997-8/965,492 19971106

L25 ANSWER 9 OF 19 PCTFULL COPYRIGHT 2006 Univentio on STN
 ACCESSION NUMBER: 1998018496 PCTFULL ED 20020514
 TITLE (ENGLISH): CONTRAST AGENTS
 TITLE (FRENCH): AGENTS DE CONTRASTE
 INVENTOR(S): KLAIVENESS, Jo;
 NAEVESTAD, Anne;
 CUTHBERTSON, Alan
 PATENT ASSIGNEE(S): NYCOMED IMAGING AS;
 COCKBAIN, Julian;
 KLAIVENESS, Jo;
 NAEVESTAD, Anne;
 CUTHBERTSON, Alan
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:
 DESIGNATED STATES
 W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
 ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR
 LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE
 SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH KE LS
 MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE
 DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI
 CM GA GN ML MR NE SN TD TG
 APPLICATION INFO.: WO 1997-GB2956 A 19971028
 PRIORITY INFO.: GB 1996-9622368.0 19961028
 GB 1996-9622365.6 19961028
 GB 1996-9622364.9 19961028
 GB 1996-9622369.8 19961028
 GB 1996-9622366.4 19961028
 GB 1996-9622367.2 19961028
 GB 1997-9700699.3 19970115
 GB 1997-9702195.0 19970204
 GB 1997-9706063.6 19970324

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L25 ANSWER 5 OF 19 PCTFULL COPYRIGHT 2006 Univentio on STN

DETD . . . targeting figand may be synthetic, semi-synthetic, or
 naturally-occurring. Materials or
 substances which may serve as targeting ligands include, for example,
 proteins, including
 antibodies, antibody fragments, hormones, hormone

analogues, glycoproteins and lectins, peptides, polypeptides, amino acids, sugars, saccharides, including monosaccharides and polysaccharides, carbohydrates, vitamins, steroids, steroid analogs, . . . a targeting ligand refers to any material or substance which may be converted to a targeting ligand. Exemplary targeting precursor moieties include **maleimide** groups, disulfide groups, such as **ortho**-pyridyl disulfide, vinylsulfone groups, azide groups, and α -iodo acetyl groups.

Exemplary materials which can be reacted with the additional functional groups include, for example, proteins, including **antibodies**, carbohydrates, peptides, glycopeptides, glycolipids, lectins and nucleosides.

cardiac glycoside agents, chelates, neuromuscular blocking agents, sedatives (hypnotics), local anesthetic agents, general anesthetic agents, radioactive particles, radioactive ions, X-ray contrast agents, **monoclonal antibodies**, **polyclonal antibodies** and genetic material. In view of the present disclosure, one skilled in the art could determine whether any particular bioactive agent could. . .

use in targeting tissues and/or receptors, including the tissues and receptors exemplified above, are selected from the group consisting of proteins, including **antibodies**, **antibody** fragments, hormones, hormone analogues, glycoproteins and lectins, peptides, polypeptides, amino acids, sugars, such as 1 5 saccharides, including monosaccharides and polysaccharides, and. . .

growth factor (HGF); angiogenin; tumor necrosis factors, including tumor necrosis I 0 factor-alpha (TNF- α) and tumor necrosis factor-beta (TNF- β), and receptor **antibodies** and fragments thereof to tumor necrosis factor (TNF) receptor I or 2 family, including, for example, TNF-RI, TNF-R2, FAS, TNFR-RP, NGF-R, CD30, . . . a-, P- and γ -cyclodextrin; tetradecasulfate; transferrin; ferritin; platelet factor 4; protamine; Gly-FEs-Lys complexed to copper; ceruloplasmin; (12R)-hydroxyeicosatrienoic acid; okadaic acid; lectins; **antibodies**; CD I I a/CD 1 8; and Very Late Activation Integrin-4 (VLA-4).

E-, N-, and P-cadherins, cadherin-4, cadherin-5, cadherin-6, cadherin-7, cadherin-8, cadherin-9, cadherin- 10, and cadherin- I 1; and most preferably cadherin C Further, **antibodies** directed to cadherins, such as, for example, the monoclonal **antibody** Ec6C 10, may be used to recognize cadherins expressed locally by specific endothelial cells.

of the ELAM molecules. Targeting ligands in this regard may include lectins, a

wide variety of carbohydrate or sugar moieties, **antibodies**, **antibody** fragments, Fab fragments, such as, for example, Fab'2, and synthetic peptides, including, for example, Arginine-Glycine-Aspartic Acid (R-G-D) which may be targeted to. . .

. . . is mononuclear leukocyte-selective, may also be used as a targeting ligand. VLA-4, derived from human monocytes, may be used to target VCAM-I. **Antibodies** and other targeting ligands may 1 5 be employed to target endoglin, which is an endothelial cell proliferation marker.

. . . is upregulated on endothelial cells in miscellaneous solid tumors. A targeting ligand which may be used to target endoglin is the **antibody** TEC-1 1. Thorpe et al, Breast Cancer Research and Treatment, 36:237-51 (1995).

As with the endothelial cells discussed above, a wide variety of peptides, proteins and

antibodies may be employed as targeting ligands for targeting epithelial cells. Preferably, a peptide, including synthetic, serrii-synthetic or naturally-occurring peptides, with high affinity. . . being more preferred. In connection with these preferred embodiments, peptides having from about 5 to about 15 amino acid residues are preferred.

Antibodies may be used as whole

antibody or **antibody** fragments, for example, Fab or Fab'2, either of natural or recombinant origin. The **antibodies** of natural origin may be of animal or human origin, or may be chimeric (mouse/human). Human recombinant or chimeric **antibodies** are preferred and fragments are preferred to whole **antibody**.

Examples of monoclonal **antibodies** which may be employed as targeting ligands in the present compositions include CALAM 27, which is formed by immunizing BALB/c mice with. . .

. . . nodes

generally do not contain cells expressing these epitopes. See Cancer Research, 47:4417-4424 (1987). Accordingly, lipid and/or vesicle compositions comprising this **antibody** can be used to target metastases in the lymph nodes. The monoclonal **antibody** 3C2 may be employed as a targeting ligand for targeting malignant epithelial cells of serious ovarian carcinoma and endometrioid carcinoma. Another exemplary. . .

066 Ref 082748) may be used as a targeting ligand. For targeting malignant melanoma, the monoclonal **antibody** 225.28s (Palhol. Biol., 38 (8):866-869 (1990)) may be employed. The monoclonal **antibody** mAb2E, which is targeted to EPR- I (effector cell protease 1), may also be used.

cytokeratins 8, 18 and 19, is expressed by most epithelial-derived tumors, including carcinomas of the colon, pancreas, breast, ovary and lung. Thus, **antibodies** directed to these cytokeratins, such as 16.88 (IgM) and 88BV59 (IgG3k), which recognize different epitopes on CTA 16.88 (Semin. Nucl. Med,

23. . . ligands. For targeting colon cancer, anti-CEA IgG Fab' fragments may be employed as targeting ligands. Chemically

conjugated bispecific anti-cell surface antigen, anti-hapten Fab'-Fab **antibodies** may also be used as targeting ligands. The MG series monoclonal **antibodies** may be selected for targeting, for example, gastric cancer (Chin. Med Sci. J, 6 (1):56-59 (1991).

I 0 Exemplary targeting ligands include, for example, anticardiomysin **antibody**, which may comprise polyclonal **antibody**, Fab'2 fragments, or be of human origin, animal origin, for example, mouse origin, or of chimeric origin. Additional targeting ligands include dipyridamole; . . . methyl LDL; ryanodine; endothelin; complement receptor 5 type I IgG Fc; beta I -adrenergic- dihydropyridine; adenosine; mineralocorticoid; nicotinic acetylcholine and muscarinic acetylcholine; **antibodies** to the human alpha IA- adrenergic receptor; bioactive agents, such as drugs, including the alpha I -antagonist prazosin; **antibodies** to the anti-beta-receptor; drugs which bind to the anti-beta-receptor; anti-cardiac RyR **antibodies**; endothelin-1, which is an endothelial cell-derived vasoconstrictor peptide that exerts a potent positive inotropic effect on cardiac tissue (endothelin- I binds to cardiac sarcolerrimal vesicles)- monoclonal **antibodies** which may be generated to the T-cell receptor a -P receptor and thereby employed to generate targeting ligands; the complement inhibitor sCRI; drugs, peptides or **antibodies** which are generated to the dihydropyridine receptor; monoclonal **antibodies** directed towards the anti-interleukin-2 receptor may be used as targeting ligands to direct the present compositions to areas of myocardial tissue which. . . endopeptidase I (NEP- 1); competitive inhibitors to EDRF, including, for example, NG-monomethyl-L-arginine (L-NNUVIA); potassium channel antagonists, such as charybdotoxin and glibenclamide; antiheart **antibodies**, which may be identified in patients with idiopathic dilated cardiomyopathy but which preferably do not elicit cytolysis in the myocardium; **antibodies** directed against the adenine nucleotide translocator, the branched-chain keto acid dehydrogenase or cardiac myosin; I 0 specific antagonists for the endothelin-A receptor, which may be referred to as BQ- 1 23; and **antibodies** to the angiotensin 11 receptor.

antigens of heart sarcoleminal are calcium binding glycoproteins which copurify with the dihydropyridine receptor. Antisera may be raised, including polyclonal or monoclonal **antibodies**, against purified sarcolemma. These **antibodies** may-also be 1 5 employed as targeted ligands. Purified fractions of the calcium binding glycoproteins may be isolated from the plasma membranes of the sarcolemma and then used to generate

antibodies. ANP, which, as noted above, may be used as a targeting ligand, can be obtained from cultures of human aortic endothelial. . . . the 'de using peptide synthesis techniques well known to those skilled in the art. It is also pepti I possible to use an **antibody**, either polyclonal or monoclonal, directed towards ANP.

a class of targeted lymphocytes, a targeting ligand having specific affinity for that class is employed. For example, an anti CD-4 **antibody** can be used for selecting the 1 5 class of T-cells harboring CD-4 receptors, an anti CD-8 **antibody** can be used for selecting the class of T-cells harboring CD-8 receptors, an anti CD-34 **antibody** can be used for selecting the class of T-cells harboring CD-34 receptors, etc. A lower molecular weight figand is preferably employed, e.g., Fab or a peptide fragment. For example, an OKT3 **antibody** or OKT3 **antibody** fragment may be used.

antibacterial and antiviral therapies and plays a role in allograft rejection. In addition to IEL-2 receptors, preferred targets include the anti-]EL-2 receptor **antibody**, natural EL-2 and an IL-2 fragment of a 20- 1 5 mer peptide or smaller generated by phage display which binds. . . .

reference in its entirety. Exemplary crosslinkers include, for example, 3,3'-dithiobis(succinimidyl-propionate), dimethyl suberimidate, and its variations thereof, based on hydrocarbon length, and bis-N-**maleimido**-1,8-octane.

1239:157-167 (1995)) it may be important to reduce the thiol groups so that they are available for coupling, for example, to **maleimide** derivatized linking groups. Examples of reducing agents commonly used are ethanedithiol, mercaptoethanol, mercaptoethylarnine or the more commonly used dithiothreitol, commonly referred to. . . .

F(ab')2 **antibody** fragments may be prepared by incubating the **antibodies** with pepsin (60[Lg/ml) in 0. I M sodium ac estate (pH 4.2) for 4 h at 37'C. Di estion may be. . . . 0.4 ml spin column of Bio-Gel P-6DG. The 1 5 resulting Fab' fragments may be more efficient in their coupling to **maleimide** linkers.

Note also that the same procedure may be employed with other macromolecules

containing cysteine residues for coupling, for example, to the **maleimide** spacers. Also, peptides may be utilized provided that they contain a cysteine residue. If the peptides have not been made fresh and. . .

lipids useful for coupling to a bifunctional spacer. For example, phosphatidylethanolamine (PE) may be coupled to a biffinfunctional agent. For example N-succinii:r6dyl 4-(p-**maleimido**-phenyl)butyrate (SNTB) and N-succinimidyl 3-(2-pynidylthiol) propionate (SPDP), N-succinimidyl trans (N-maleiriu'dylmethyl)cyclohexane-1-carboxylate (SMCC), and N-succinimidyl 3-

maleimidylbenzoate (SNM) may be used among others, to produce, for example the functionalized lipids NTB-PE and PDP-PE.

a vesicle, preferably by a linker, such as PEG, and copper, iron or vanadyl ion may then be added. Proteins, such as **antibodies** which contain histidine residues, may then bind to the vesicle via an ionic bridge with the copper ion, as described in. . .

may contain more than one bioactive agent or vesicles containing different bioactive agents may be co-administered. By way of example, a monoclonal **antibody** capable of binding to melanoma antigen and an oligonucleotide encoding at least a portion of IL-2 may be administered at the. . .

of the prodrugs of the present invention, an acylated chemical group may be bound to the bioactive agent via an ester **linkage** which would readily **cleave** in vivo by enzymatic action in serum. The acylated prodrug is incorporated into the gas filled vesicle of the invention. As. . . the sonic pulse from the ultrasound, and the prodrug encapsulated by the vesicle is then exposed to the serum. The ester **linkage** is then

cleaved by **esterases** in the serum, thereby generating the drug. However, it is not necessary for the bioactive agent to be **cleaved** from the acylated chemical group and

ester linkage in order for the bioactive agent to be therapeutically effective. In other WO 98/50041 PCTIUS98/07712

- 130 -

bioactive agent from the **linking** group and fluorinated amphiphilic moiety). The particular chemical structure of the prodrug may be selected or modified to achieve desired solubility such. . . ruptured or heated or ruptured via cavitation, the acylated prodrug may then leave the surface and/or the bioactive agent may be **cleaved** from the acyl chains. Similarly, other prodrugs may be formulated with a hydrophobic group which is aromatic or sterol in structure to. . .

C_nF_{2n+1}-(CH₂)_M-C(=O)O
C_nF_{2n+1}-(CH₂)_M-C(=O)O

(IX) CH₂
 H₂, Pd/C
THF
 C_nF_{2n+1}-(CH₂)M-C(0)O
 C_nF_{2n+1}-(CH₂)M-C(0)O
 W-OH
 1) BrC₂H₄OP(O)Cb, NEb
 2) H₂O
 3) NMe₃, A₉2CO₃
 C_nF_{2n+1}-(CH₂)M-C(0)O
 C_nF_{2n+1}-(CH₂)M-C(0)O
 (XI) O P (O₂-) O--(C H₂)₂ N (C H₃)₃
 . . .

The benzyl protecting group can be removed by hydrogenolysis over a palladium on charcoal catalyst (Pd/C) in tetrahydrofuran (**THF**). Proc. Natl. Acad. Sci. USA, 75:4074 (1978). Short reaction times for the hydrogenolysis of the benzyl group are preferred to avoid transesterification. . .

The hydrogenolysis reaction is preferably conducted in **THF** because the starting material (the compound of formula (IX)) and the product (the compound of formula (X)) are highly soluble in TBT-. . .

CLMEN. . . narcotics, cardiac glycoside agents, chelates, neuromuscular blocking agents, sedatives, local anesthetic agents, general anesthetic agents, radioactive particles, radioactive ions, X-ray contrast agents, monoclonal **antibodies** and genetic material.
 . . . narcotics, cardiac glycoside agents, chelates, neuromuscular blocking agents, sedatives, local anesthetic agents, general anesthetic agents, radioactive particles, radioactive ions, X-ray contrast agents, monoclonal **antibodies** and genetic material.

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L25	ANSWER 5 OF 19	PCTFULL	COPYRIGHT 2006 Univentio on STN	
ACCESSION NUMBER:		1998050041	PCTFULL ED 20020514	
TITLE (ENGLISH):		NOVEL PRODRUGS COMPRISING FLUORINATED AMPHIPHILES		
TITLE (FRENCH):		NOUVEAUX PROMEDICAMENTS RENFERMANT DES AMPHIPHILES FLUORES		
INVENTOR(S):		UNGER, Evan, C.		
PATENT ASSIGNEE(S):		IMARX PHARMACEUTICAL CORP.		
LANGUAGE OF PUBL.:		English		
DOCUMENT TYPE:		Patent		
PATENT INFORMATION:		NUMBER	KIND	DATE

		WO 9850041	A1 19981112	
DESIGNATED STATES				
W:		AU BR CA JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU		
		MC NL PT SE		
APPLICATION INFO.:	WO 1998-US7712	A	19980415	
PRIORITY INFO.:	US 1997-8/851,780		19970506	

US 1997-8/887,215

19970702

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FILE COVERS 1907 - 3 Jan 2006 VOL 144 ISS 2
FILE LAST UPDATED: 2 Jan 2006 (20060102/ED)

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=> file reg			
COST IN U.S. DOLLARS	SINCE FILE	TOTAL	
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FULL ESTIMATED COST	2.49	55.76	

FILE 'REGISTRY' ENTERED AT 12:16:38 ON 03 JAN 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 2 JAN 2006 HIGHEST RN 870976-29-7
DICTIONARY FILE UPDATES: 2 JAN 2006 HIGHEST RN 870976-29-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s el-e48

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L27

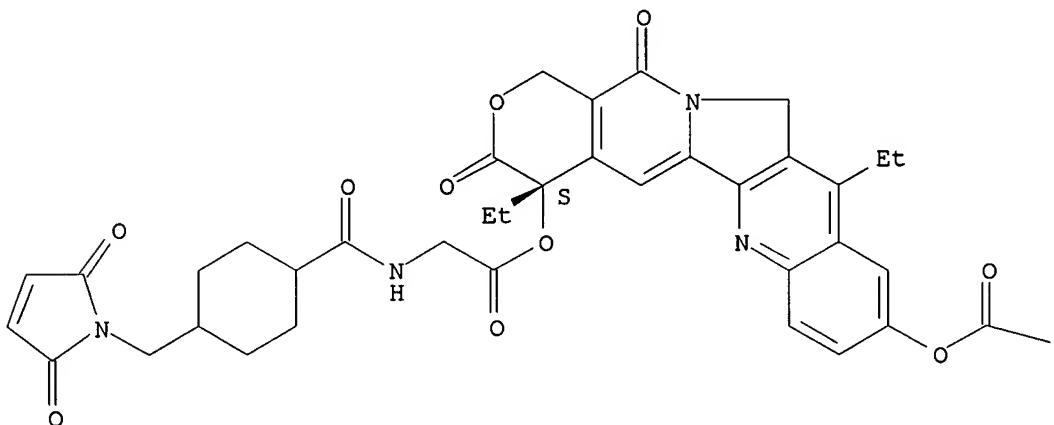
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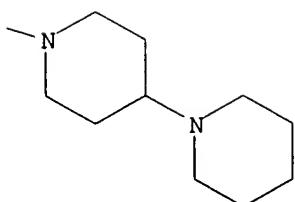
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RN 714966-37-7 REGISTRY
ED Entered STN: 23 Jul 2004
CN Glycine, N-[(4-[(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)methyl]cyclohexyl]carbonyl]-, (4S)-9-[(1,4'-bipiperidin)-1'-ylcarbonyl]oxy]-4,11-diethyl-3,4,12,14-tetrahydro-3,14-dioxo-1H-pyran-3',4':6,7]indolizino[1,2-b]quinolin-4-yl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C47 H54 N6 O10
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



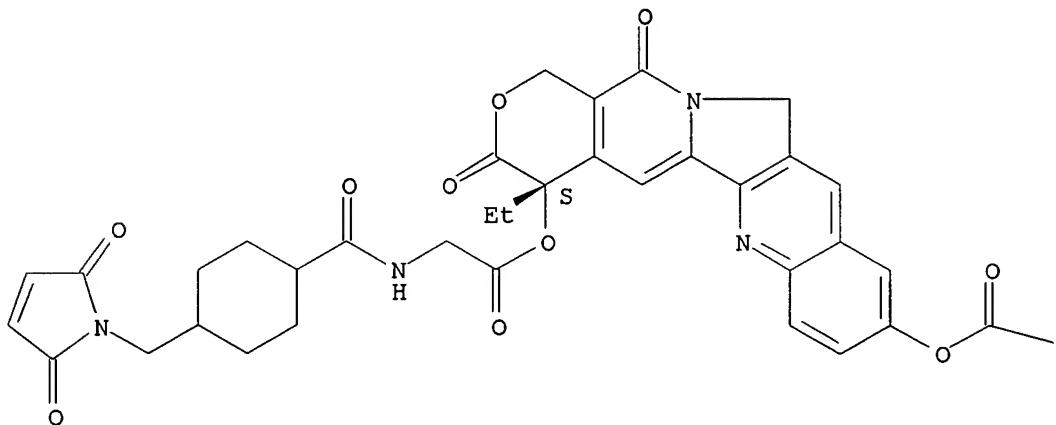
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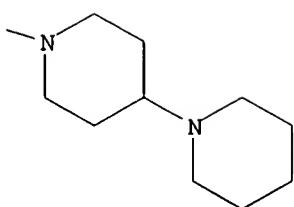
L27 ANSWER 2 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
RN 714966-36-6 REGISTRY
ED Entered STN: 23 Jul 2004
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FS STEREOSEARCH
MF C45 H50 N6 O10
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



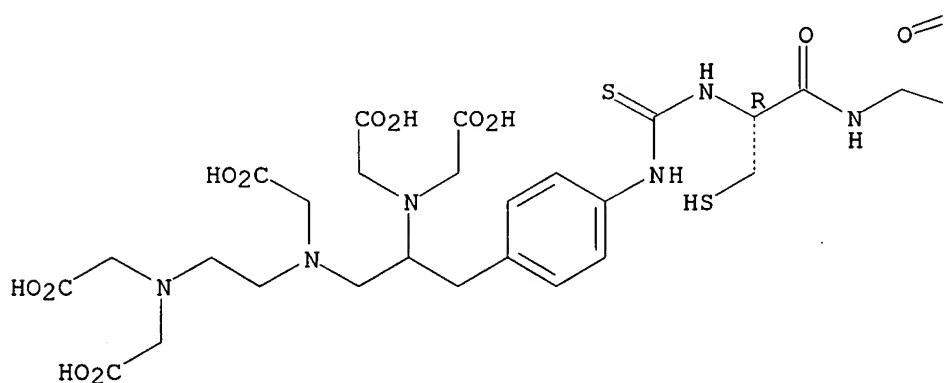
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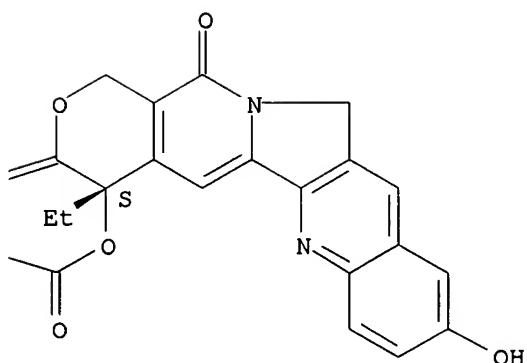
L27 ANSWER 3 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
RN 713542-78-0 REGISTRY
ED Entered STN: 21 Jul 2004
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[bis(carboxymethyl)amino]ethyl)(carboxymethyl)amino]propyl]phenyl]amino]th
ioxomethyl]-L-cysteinyl-, 2-[(4S)-4-ethyl-3,4,12,14-tetrahydro-9-hydroxy-
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(CA INDEX NAME)
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SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.

PAGE 1-A



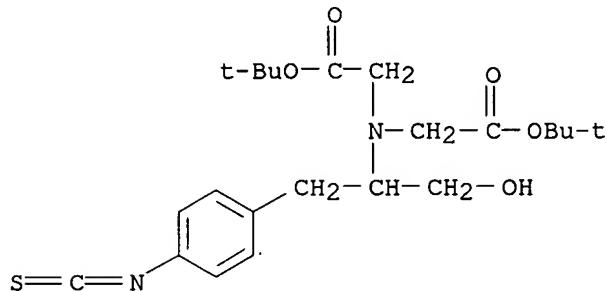
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L27 ANSWER 4 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
RN 713542-77-9 REGISTRY
ED Entered STN: 21 Jul 2004
CN Glycine, N-[2-(1,1-dimethylethoxy)-2-oxoethyl]-N-[2-hydroxy-1-[(4-isothiocyanatophenyl)methyl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
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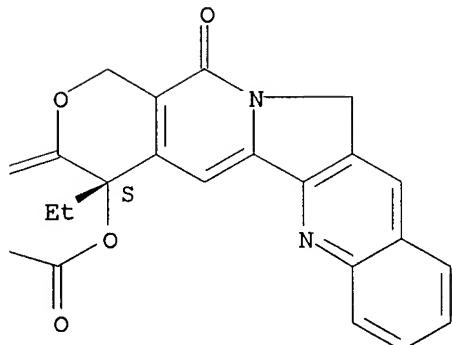
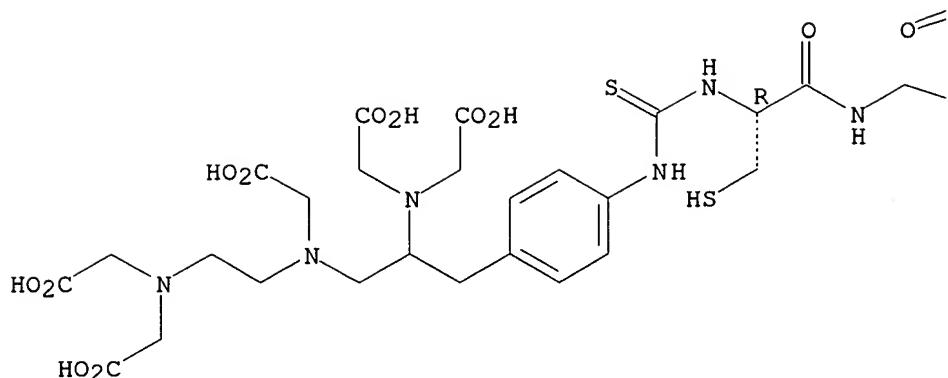


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L27 ANSWER 5 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
RN 713542-76-8 REGISTRY
ED Entered STN: 21 Jul 2004
CN Glycine, N-[[[4-[2-[bis(carboxymethyl)amino]-3-[[2-[bis(carboxymethyl)amino]ethyl](carboxymethyl)amino]propyl]phenyl]amino]thioxomethyl]-L-cysteinyl-, 2-[(4S)-4-ethyl-3,4,12,14-tetrahydro-3,14-dioxo-1H-pyran-3',4':6,7]indolizino[1,2-b]quinolin-4-yl] ester (9CI) (CA INDEX NAME)
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SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.

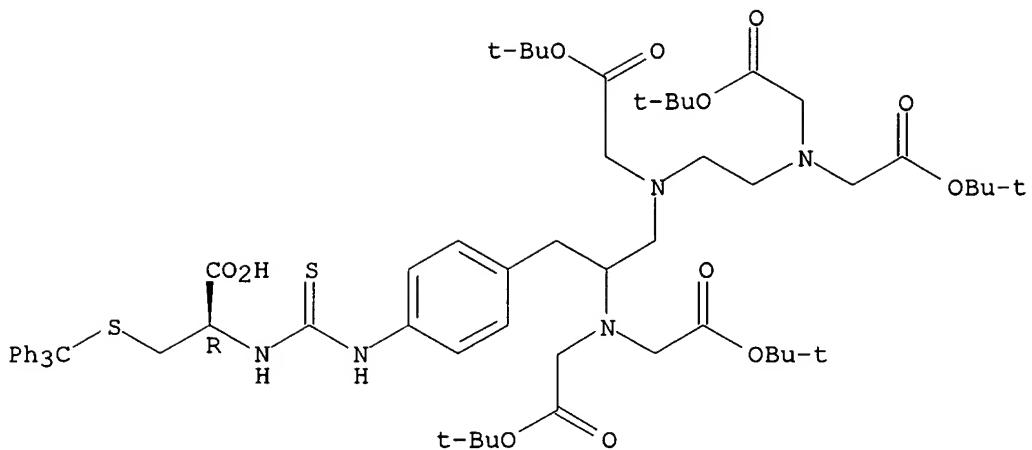


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L27 ANSWER 6 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
RN 713542-75-7 REGISTRY
ED Entered STN: 21 Jul 2004
CN 3-Oxa-6,9,12-triazatetradecan-14-oic acid, 7-[[4-[[[[1R]-1-carboxy-2-[(triphenylmethyl)thio]ethyl]amino]thioxomethyl]amino]phenyl]methyl]-6,9,12-tris[2-(1,1-dimethylethoxy)-2-oxoethyl]-2,2-dimethyl-4-oxo-, 14-(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)
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MF C64 H89 N5 O12 S2
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LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.

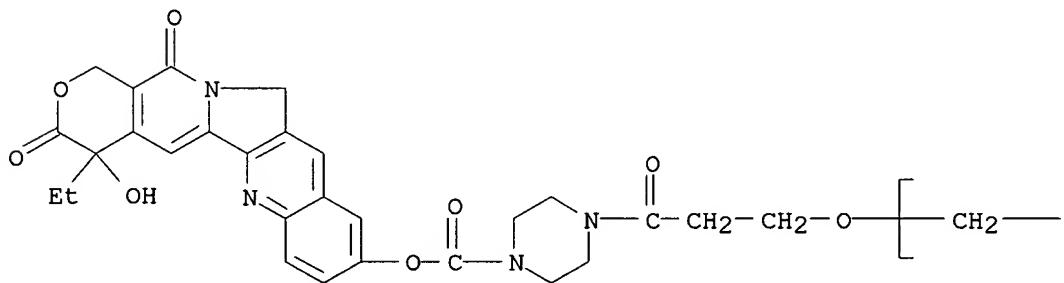


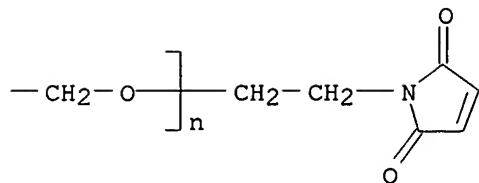
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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L27 ANSWER 7 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 713542-74-6 REGISTRY
 ED Entered STN: 21 Jul 2004
 CN Poly(oxy-1,2-ethanediyl), α -[2-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)ethyl]- ω -[3-[4-[[[[4S]-4-ethyl-3,4,12,14-tetrahydro-4-hydroxy-3,14-dioxo-1H-pyran-3',4':6,7]indolizino[1,2-b]quinolin-9-yl]oxy]carbonyl]-1-piperazinyl]-3-oxopropoxy]- (9CI) (CA INDEX NAME)
 MF (C₂ H₄ O)_n C₃₄ H₃₃ N₅ O₁₀
 CI PMS
 PCT Polyether
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

PAGE 1-A

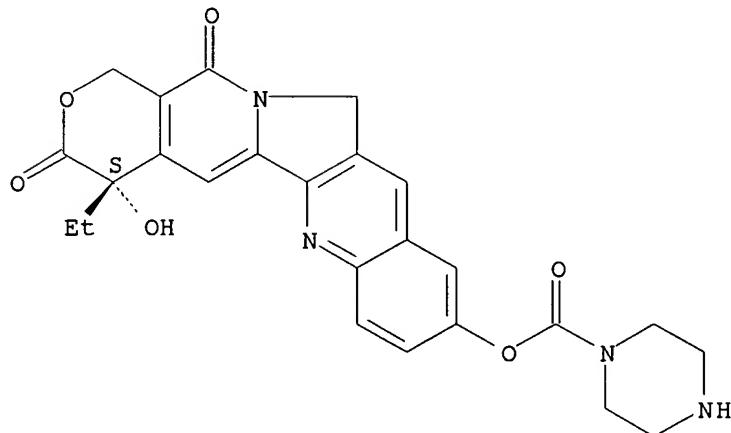




1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L27 ANSWER 8 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 713542-73-5 REGISTRY
 ED Entered STN: 21 Jul 2004
 CN 1-Piperazinecarboxylic acid, (4S)-4-ethyl-3,4,12,14-tetrahydro-4-hydroxy-3,14-dioxo-1H-pyranolo[3',4':6,7]indolizino[1,2-b]quinolin-9-yl ester (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C25 H24 N4 O6
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



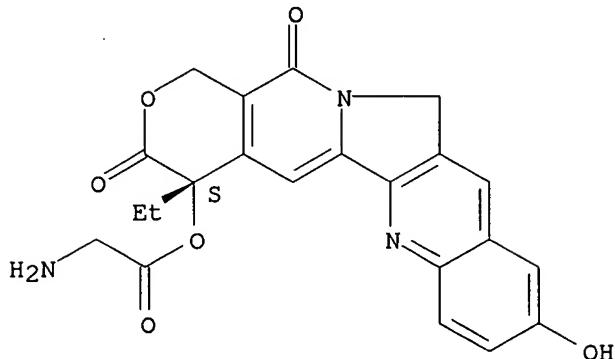
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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L27 ANSWER 9 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 362497-14-1 REGISTRY
 ED Entered STN: 16 Oct 2001
 CN Glycine, (4S)-4-ethyl-3,4,12,14-tetrahydro-9-hydroxy-3,14-dioxo-1H-pyranolo[3',4':6,7]indolizino[1,2-b]quinolin-4-yl ester (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C22 H19 N3 O6
 CI COM
 SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L27 ANSWER 10 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN

RN 176669-13-9 REGISTRY

ED Entered STN: 24 May 1996

CN Glycine, (4S)-4-ethyl-3,4,12,14-tetrahydro-3,14-dioxo-1H-pyranolo[3',4':6,7]indolizino[1,2-b]quinolin-4-yl ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Glycine, 4-ethyl-3,4,12,14-tetrahydro-3,14-dioxo-1H-pyranolo[3',4':6,7]indolizino[1,2-b]quinolin-4-yl ester, (S)-

FS STEREOSEARCH

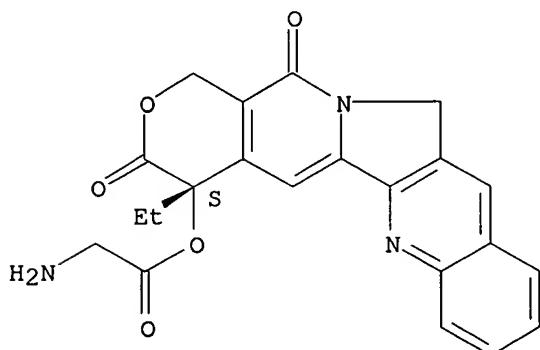
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CI COM

SR CA

LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL

Absolute stereochemistry.



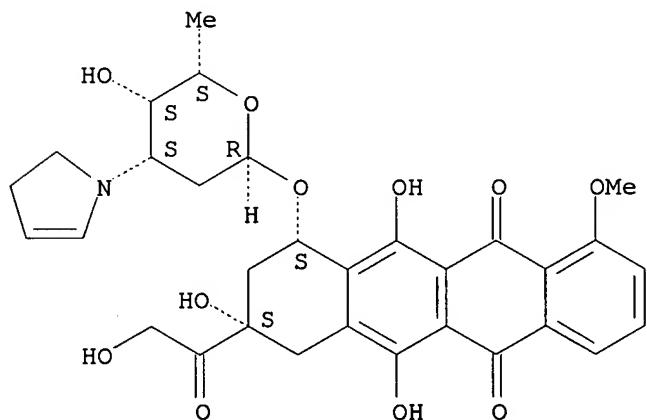
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15 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L27 ANSWER 11 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 175795-76-3 REGISTRY
 ED Entered STN: 02 May 1996
 CN 5,12-Naphthacenedione, 7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-(hydroxyacetyl)-1-methoxy-10-[[2,3,6-trideoxy-3-(2,3-dihydro-1H-pyrrol-1-yl)- α -L-lyxo-hexopyranosyl]oxy]-, (8S,10S)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 5,12-Naphthacenedione, 7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-(hydroxyacetyl)-1-methoxy-10-[[2,3,6-trideoxy-3-(2,3-dihydro-1H-pyrrol-1-yl)- α -L-lyxo-hexopyranosyl]oxy]-, (8S-cis)-
 OTHER NAMES:
 CN 3'-Deamino-3'-(2''-pyrrolin-1''-yl)doxorubicin
 CN AN 201
 CN AN 201 (pharmaceutical)
 FS STEREOSEARCH
 MF C31 H33 N O11
 CI COM
 SR CA
 LC STN Files: BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, EMBASE, MEDLINE, RTECS*, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

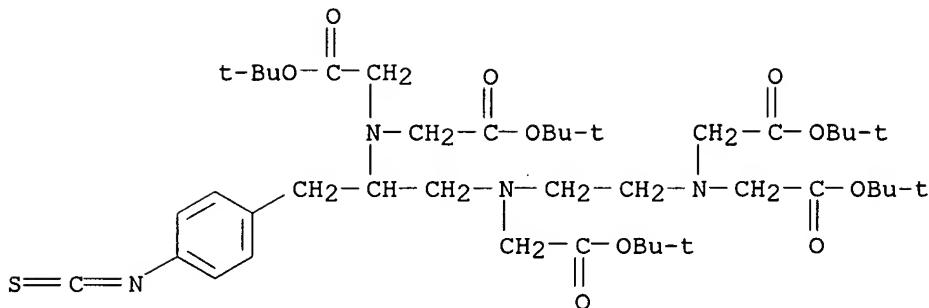
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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 39 REFERENCES IN FILE CAPLUS (1907 TO DATE)

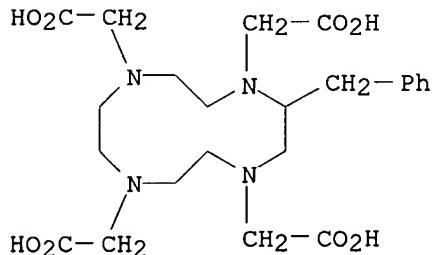
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 RN 167219-97-8 REGISTRY
 ED Entered STN: 01 Sep 1995
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 FS 3D CONCORD
 MF C42 H68 N4 O10 S
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



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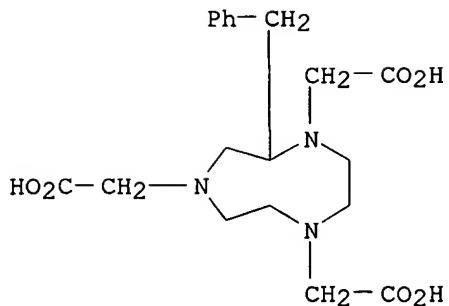
L27 ANSWER 13 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 149969-02-8 REGISTRY
 ED Entered STN: 14 Sep 1993
 CN 1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetic acid,
 2-(phenylmethyl)- (9CI) (CA INDEX NAME)
 MF C23 H34 N4 O8
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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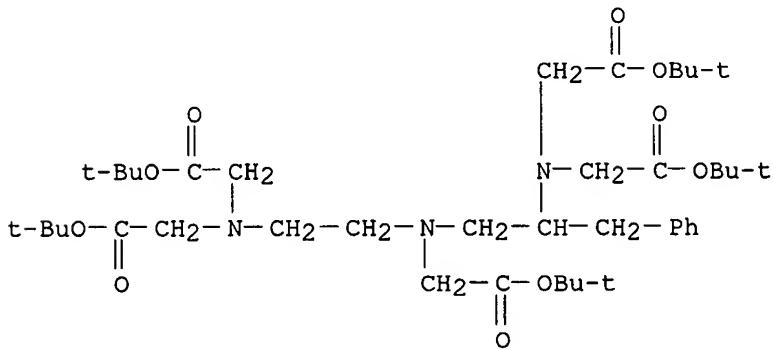
L27 ANSWER 14 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 149969-01-7 REGISTRY
 ED Entered STN: 14 Sep 1993
 CN 1H-1,4,7-Triazonine-1,4,7-triacetic acid, hexahydro-2-(phenylmethyl)-
 (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C19 H27 N3 O6
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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 3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L27 ANSWER 15 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 135306-71-7 REGISTRY
 ED Entered STN: 02 Aug 1991
 CN 3-Oxa-6,9,12-triazatetradecan-14-oic acid, 6,9,12-tris[2-(1,1-dimethylethoxy)-2-oxoethyl]-2,2-dimethyl-4-oxo-7-(phenylmethyl)-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C41 H69 N3 O10
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L27 ANSWER 16 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 127464-60-2 REGISTRY
 ED Entered STN: 01 Jun 1990
 CN Vascular endothelial growth factor (9CI) (CA INDEX NAME)
 OTHER NAMES:
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 CN Animal growth regulators, glioma-derived vascular endothelial growth factors
 CN Animal growth regulators, VEGF
 CN Animal growth regulators, VEGF (vascular endothelial growth factor)
 CN Cytokines, vascular permeability factor

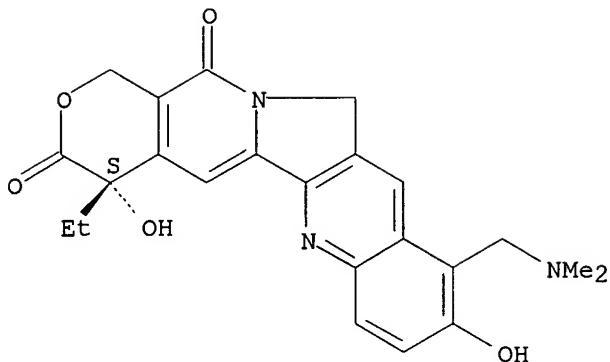
CN Folliculo-stellate-derived growth factors
 CN FSdGF pituitary hormones
 CN Glioma-derived vascular endothelial growth factors
 CN Pituitary hormones, folliculo-stellate-derived growth factors
 CN Vascular permeability factor
 CN Vasculotropin
 CN VEGF
 MF Unspecified
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 BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CEN, CHEMCATS, CIN, DDFU,
 DRUGU, EMBASE, IPA, PHAR, PROMT, RTECS*, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

13344 REFERENCES IN FILE CA (1907 TO DATE)
 167 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 13386 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L27 ANSWER 17 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 123948-87-8 REGISTRY
 ED Entered STN: 23 Nov 1989
 CN 1H-Pyrano[3',4':6,7]indolizino[1,2-b]quinoline-3,14(4H,12H)-dione,
 10-[(dimethylamino)methyl]-4-ethyl-4,9-dihydroxy-, (4S)- (9CI) (CA INDEX
 NAME)
 OTHER CA INDEX NAMES:
 CN 1H-Pyrano[3',4':6,7]indolizino[1,2-b]quinoline-3,14(4H,12H)-dione,
 10-[(dimethylamino)methyl]-4-ethyl-4,9-dihydroxy-, (S)-
 OTHER NAMES:
 CN 10-Hydroxy-9-[(dimethylamino)methyl]-(20S)-camptothecin
 CN 9-(N,N-Dimethylaminomethyl)-10-hydroxycamptothecin
 CN Hycamptamine
 CN Hycamptin
 CN NSC 609699
 CN SKF 104864
 CN SKF-S 104864
 CN Topotecan
 CN Topotecan lactone
 FS STEREOSEARCH
 DR 133242-28-1, 138121-88-7
 MF C23 H23 N3 O5
 CI COM
 SR CA
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS,
 BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
 CHEMINFORMRX, CIN, DDFU, DIOGENES, DRUGU, EMBASE, IMSDRUGNEWS,
 IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, PATDPASPC, PHAR, PIRA,
 PROMT, PROUSDDR, PS, RTECS*, SYNTHLINE, TOXCENTER, USAN, USPAT2,
 USPATFULL
 (*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1460 REFERENCES IN FILE CA (1907 TO DATE)
 52 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1462 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L27 ANSWER 18 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN

RN 103816-16-6 REGISTRY

ED Entered STN: 18 Aug 1986

CN [1,4'-Bipiperidine]-1'-carboxylic acid, (4S)-4-ethyl-3,4,12,14-tetrahydro-4-hydroxy-3,14-dioxo-1H-pyrano[3',4':6,7]indolizino[1,2-b]quinolin-9-yl ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Pyrano[3',4':6,7]indolizino[1,2-b]quinoline, [1,4'-bipiperidine]-1'-carboxylic acid deriv.

CN [1,4'-Bipiperidine]-1'-carboxylic acid, 4-ethyl-3,4,12,14-tetrahydro-4-hydroxy-3,14-dioxo-1H-pyrano[3',4':6,7]indolizino[1,2-b]quinolin-9-yl ester, (S)-

OTHER NAMES:

CN 10-[4-(1-Piperidino)-1-piperidinocarbonyloxy]camptothecin

FS STEREOSEARCH

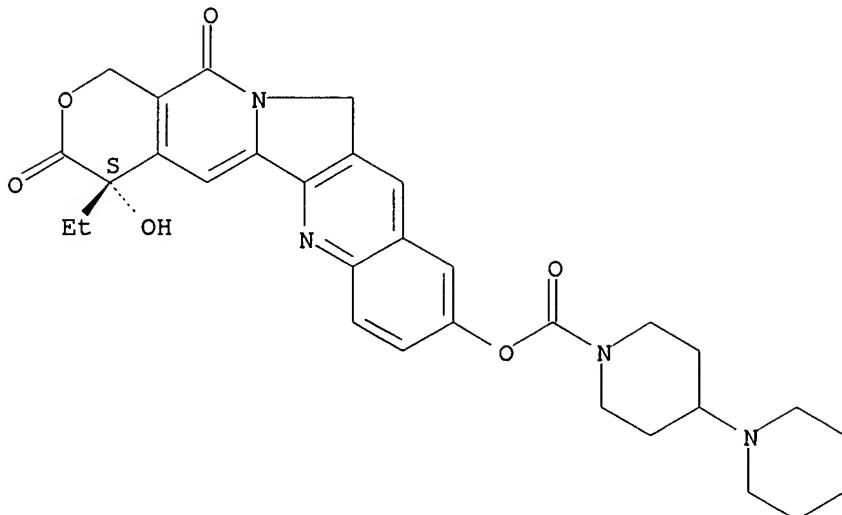
MF C31 H34 N4 O6

CI COM

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1907 TO DATE)
 6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L27 ANSWER 19 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN

RN 100286-90-6 REGISTRY

ED Entered STN: 15 Feb 1986

CN [1,4'-Bipiperidine]-1'-carboxylic acid, (4S)-4,11-diethyl-3,4,12,14-tetrahydro-4-hydroxy-3,14-dioxo-1H-pyran-1H-pyran-3,4':6,7]indolizino[1,2-b]quinolin-9-yl ester, monohydrochloride. (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Pyran-1H-pyran-3,4':6,7]indolizino[1,2-b]quinoline, [1,4'-bipiperidine]-1'-carboxylic acid deriv.

CN [1,4'-Bipiperidine]-1'-carboxylic acid, 4,11-diethyl-3,4,12,14-tetrahydro-4-hydroxy-3,14-dioxo-1H-pyran-1H-pyran-3,4':6,7]indolizino[1,2-b]quinolin-9-yl ester, monohydrochloride, (S)-

OTHER NAMES:

CN 7-Ethyl-10-[[4-(1-piperidyl)-1-piperidyl]carbonyloxy]camptothecin hydrochloride

CN Campto

CN Camptothecin 11

CN Camptothecin 11 hydrochloride

CN CPT 11

CN Irinotecan hydrochloride

CN Topotecin

CN U 101440E

FS STEREOSEARCH

DR 111348-33-5

MF C33 H38 N4 O6 . Cl H

CI COM

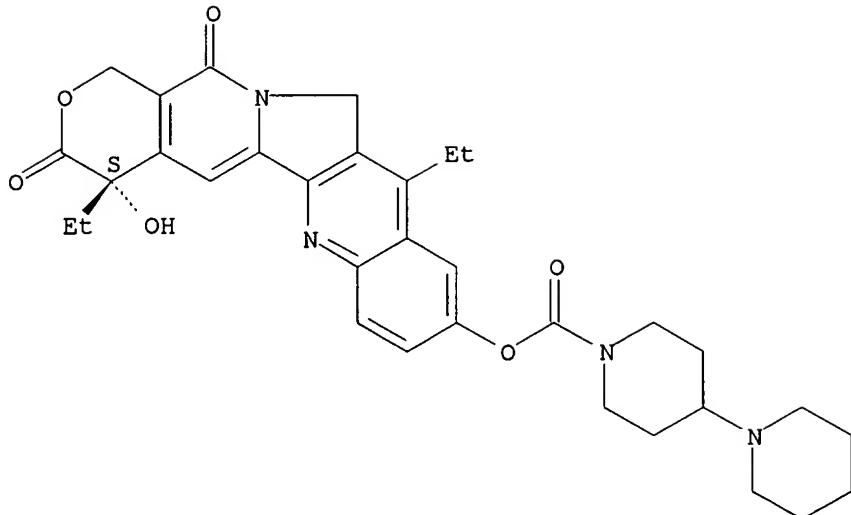
SR CA

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CBNB, CHEMCATS, CIN, CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE, IMSCOSEARCH, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, PHAR, PROMT, PROUSDDR, PS, RTECS*, SCISEARCH, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)

CRN (97682-44-5)

Absolute stereochemistry. Rotation (+).

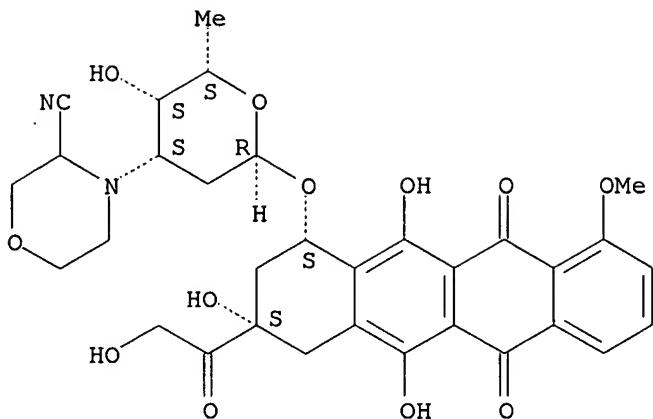


● HCl

766 REFERENCES IN FILE CA (1907 TO DATE)
 13 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 769 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L27 ANSWER 20 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 88254-07-3 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 5,12-Naphthacenedione, 10-[[3-(3-cyano-4-morpholinyl)-2,3,6-trideoxy-
 α-L-lyxo-hexopyranosyl]oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-
 (hydroxyacetyl)-1-methoxy- (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN 3'-Deamino-3'-(3-cyano-4-morpholinyl)adriamycin
 CN 3'-Deamino-3'-(3-cyano-4-morpholinyl)doxorubicin
 CN MRA-CN
 FS STEREOSEARCH
 DR 94730-48-0, 114414-57-2, 142200-30-4, 160398-81-2
 MF C32 H34 N2 O12
 LC STN Files: ADISINSIGHT, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,
 CANCERLIT, CAPLUS, CASREACT, DDFU, DRUGU, EMBASE, IPA, MEDLINE, PROMT,
 PROUSDDR, RTECS*, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

Absolute stereochemistry.

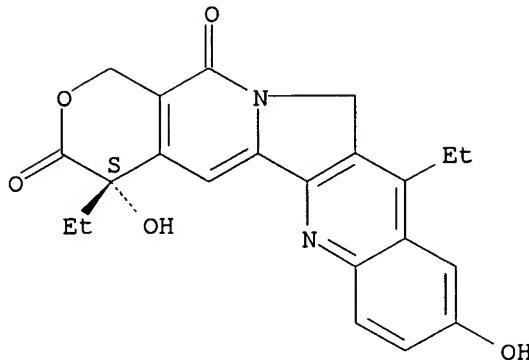


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

87 REFERENCES IN FILE CA (1907 TO DATE)
 11 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 88 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L27 ANSWER 21 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 86639-52-3 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 1H-Pyrano[3',4':6,7]indolizino[1,2-b]quinoline-3,14(4H,12H)-dione,
 4,11-diethyl-4,9-dihydroxy-, (4S)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1H-Pyrano[3',4':6,7]indolizino[1,2-b]quinoline-3,14(4H,12H)-dione,
 4,11-diethyl-4,9-dihydroxy-, (S)-
 OTHER NAMES:
 CN 10-Hydroxy-7-ethylcamptothecin
 CN 7-Ethyl-10-hydroxy-20(S)-camptothecin
 CN 7-Ethyl-10-hydroxycamptothecin
 CN SN 38
 CN SN 38 (pharmaceutical)
 CN SN 38 lactone
 FS STEREOSEARCH
 DR 113015-38-6
 MF C22 H20 N2 O5
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CHEMCATS, CSCHEM, DDFU,
 DRUGU, EMBASE, IPA, MEDLINE, PS, RTECS*, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

767 REFERENCES IN FILE CA (1907 TO DATE)
 25 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 769 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L27 ANSWER 22 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN

RN **80790-68-7** REGISTRY

ED Entered STN: 16 Nov 1984

CN 5,12-Naphthacenedione, 7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-(hydroxyacetyl)-1-methoxy-10-[[2,3,6-trideoxy-3-(4-morpholinyl)-alpha-L-lyxo-hexopyranosyl]oxy]-, (8S,10S)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 5,12-Naphthacenedione, 7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-(hydroxyacetyl)-1-methoxy-10-[[2,3,6-trideoxy-3-(4-morpholinyl)-alpha-L-lyxo-hexopyranosyl]oxy]-, (8S-cis)-

OTHER NAMES:

CN 3'-Deamino-3'-(4-morpholinyl)adriamycin

CN 3'-Deamino-3'-(4-morpholinyl)doxorubicin

CN ADR 456

CN Morpholinodoxorubicin

CN MRA

FS STEREOSEARCH

DR 142200-33-7

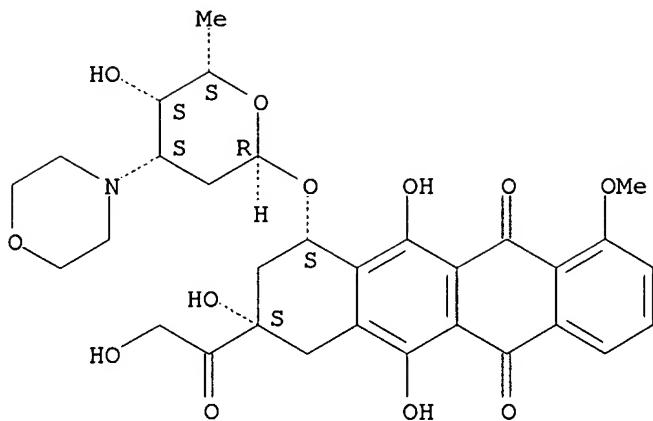
MF C31 H35 N O12

CI COM

LC STN Files: BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, DDFU, DRUGU, EMBASE, MEDLINE, PROUSDDR, RTECS*, TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)

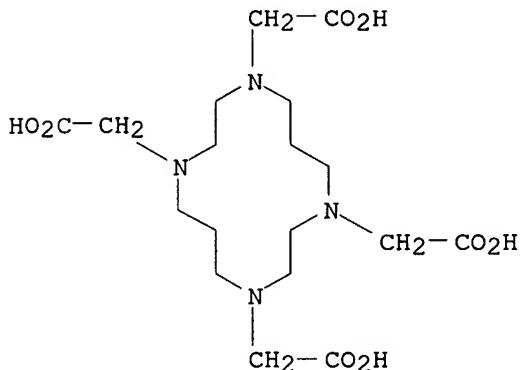
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

86 REFERENCES IN FILE CA (1907 TO DATE)
 14 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 86 REFERENCES IN FILE CAPLUS (1907 TO DATE)

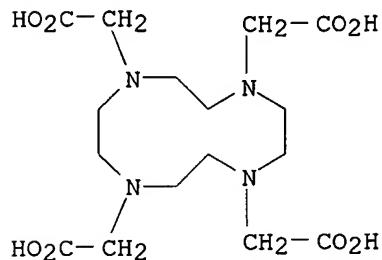
L27 ANSWER 23 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 60239-22-7 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 1,4,8,11-Tetraazacyclotetradecane-1,4,8,11-tetraacetic acid (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN 1,4,8,11-Tetraazacyclotetradecane-N,N',N'',N'''-tetraacetic acid
 CN TETA
 CN TETA (amino acid)
 FS 3D CONCORD
 MF C18 H32 N4 O8
 CI COM
 LC STN Files: BEILSTEIN*, BIOSIS, CA, CAPLUS, CASREACT, GMELIN*, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

153 REFERENCES IN FILE CA (1907 TO DATE)
 83 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 154 REFERENCES IN FILE CAPLUS (1907 TO DATE)

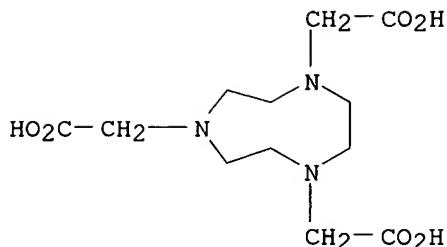
L27 ANSWER 24 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
RN 60239-18-1 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetic acid (9CI) (CA INDEX
NAME)
OTHER NAMES:
CN 1,4,7,10-Tetraazacyclododecane-N,N',N'',N'''-tetraacetic acid
CN DOTA
CN NSC 681107
CN Tetraxetan
FS 3D CONCORD
DR 105416-43-1
MF C16 H28 N4 O8
CI COM
LC STN Files: ADISNEWS, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,
CANCERLIT, CAPLUS, CASREACT, CEN, CHEMCATS, CIN, CSCHEM, EMBASE,
GMELIN*, IPA, MEDLINE, PROMT, TOXCENTER, USAN, USPAT2, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

518 REFERENCES IN FILE CA (1907 TO DATE)
322 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
521 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L27 ANSWER 25 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
RN 56491-86-2 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1H-1,4,7-Triazonine-1,4,7-triacetic acid, hexahydro- (9CI) (CA INDEX
NAME)
OTHER NAMES:
CN 1,4,7-Triazacyclononane-1,4,7-triacetic acid
CN 1,4,7-Triazacyclononane-N,N',N''-triacetic acid
CN NOTA
CN NSC 696860
FS 3D CONCORD
MF C12 H21 N3 O6
CI COM
LC STN Files: BEILSTEIN*, BIOSIS, CA, CANCERLIT, CAPLUS, CASREACT, CIN,
GMELIN*, MEDLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)

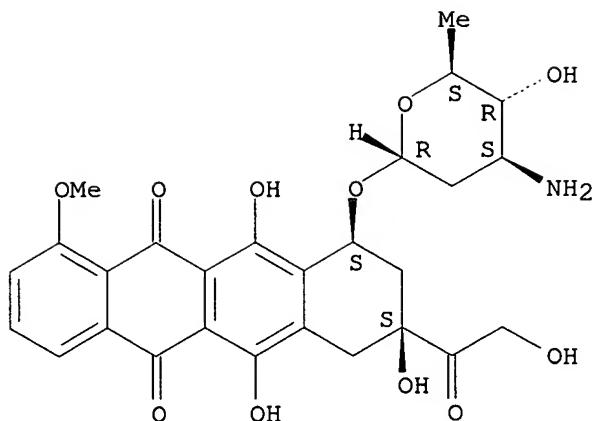


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

108 REFERENCES IN FILE CA (1907 TO DATE)
 56 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 108 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L27 ANSWER 26 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 56420-45-2 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 5,12-Naphthacenedione, 10-[(3-amino-2,3,6-trideoxy- α -L-arabino-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-(hydroxyacetyl)-1-methoxy-, (8S,10S)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 5,12-Naphthacenedione, 10-[(3-amino-2,3,6-trideoxy- α -L-arabino-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-(hydroxyacetyl)-1-methoxy-, (8S-cis)-
 OTHER NAMES:
 CN 4'-epi-Adriamycin
 CN 4'-epi-Doxorubicin
 CN 4'-Epi-DX
 CN 4'-Epiadriamycin
 CN 4'-Epidoxorubicin
 CN Epiadriamycin
 CN Epidoxorubicin
 CN Epirubicin
 CN Farmarubicin
 CN Farmarubicine
 CN IMI 28
 CN NSC 256942
 CN Pharmarubicin
 CN Pidorubicin
 CN WP 697
 FS STEREOSEARCH
 DR 57918-25-9
 MF C27 H29 N O11
 CI COM
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CBNB, CHEMCATS, CIN, DDFU, DIOGENES, DRUGU, EMBASE, HSDB*, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, NAPRALERT, NIOSHTIC, PHAR, PROMT, PROUSSDDR, PS, RTECS*, SCISEARCH, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL, VETU
 (*File contains numerically searchable property data)
 Other Sources: WHO

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2136 REFERENCES IN FILE CA (1907 TO DATE)
 87 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 2142 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L27 ANSWER 27 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN

RN 30562-34-6 REGISTRY

ED Entered STN: 16 Nov 1984

CN Geldanamycin (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2-Azabicyclo[16.3.1]docosa-4,6,10,18,21-pentaene-3,20,22-trione,
 9,13-dihydroxy-8,14,19-trimethoxy-4,10,12,16-tetramethyl-, 9-carbamate
 (8CI)

CN 2-Azabicyclo[16.3.1]docosane, geldanamycin deriv.

OTHER NAMES:

CN 2-Azabicyclo[16.3.1]docosa-4,6,10,18,21-pentaene-3,20,22-trione,
 9-[(aminocarbonyl)oxy]-13-hydroxy-8,14,19-trimethoxy-4,10,12,16-
 tetramethyl-, [8S-(4E,6Z,8R*,9R*,10E,12R*,13S*,14R*,16S*)]-

CN NSC 122750

CN NSC 212518

CN [8S-(4E,6Z,8R*,9R*,10E,12R*,13S*,14R*,16S*)]-9-[(Aminocarbonyl)oxy]-13-
 hydroxy-8,14,19-trimethoxy-4,10,12,16-tetramethyl-2-
 azabicyclo[16.3.1]docosa-4,6,10,18,21-pentaene-3,20,22-trione

FS STEREOSEARCH

DR 150575-55-6, 31828-93-0

MF C29 H40 N2 O9

CI COM

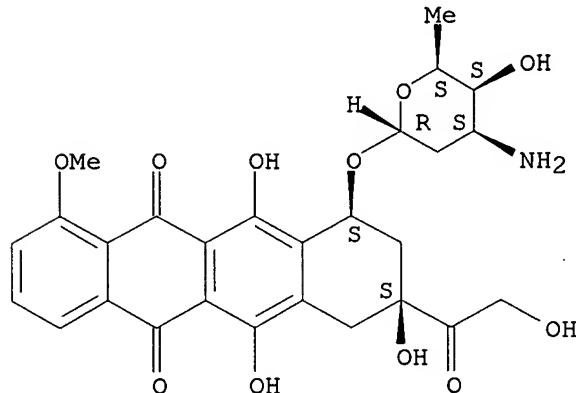
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, BEILSTEIN*, BIOBUSINESS,
 BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CHEMCATS, CIN,
 CSCHEM, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE,
 NAPRALERT, PROMT, RTECS*, SPECINFO, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (+).

Double bond geometry as described by E or Z.

TOXCENTER, USAN, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.

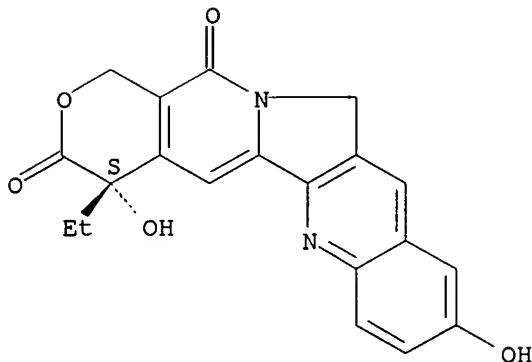


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

15538 REFERENCES IN FILE CA (1907 TO DATE)
1041 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
15566 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L27 ANSWER 29 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
RN 19685-09-7 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1H-Pyrano[3',4':6,7]indolizino[1,2-b]quinoline-3,14(4H,12H)-dione,
4-ethyl-4,9-dihydroxy-, (4S)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1H-Pyrano[3',4':6,7]indolizino[1,2-b]quinoline-3,14(4H,12H)-dione,
4-ethyl-4,9-dihydroxy-, (S)-
CN Camptothecine, 10-hydroxy- (8CI)
OTHER NAMES:
CN (S)-10-Hydroxycamptothecin
CN 10-Hydroxycamptothecin
CN 10-Hydroxycamptothecine
CN Hydroxycamptothecin
CN NSC 107124
FS STEREOSEARCH
DR 104155-90-0, 157405-42-0
MF C20 H16 N2 O5
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA,
CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CSCHEM, IPA, NAPRALERT,
PS, RTECS*, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

245 REFERENCES IN FILE CA (1907 TO DATE)
 5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 247 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L27 ANSWER 30 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN

RN 9074-87-7 REGISTRY

ED Entered STN: 16 Nov 1984

CN Hydrolase, γ -glutamyl (9CI) (CA INDEX NAME)

OTHER NAMES:

CN γ -Glutamyl hydrolase

CN Acetylaspartylglutamate dipeptidase

CN Carboxypeptidase G

CN Carboxypeptidase G 2

CN Conjugase

CN E.C. 3.4.12.10

CN E.C. 3.4.17.11

CN E.C. 3.4.17.21

CN E.C. 3.4.19.9

CN E.C. 3.4.22.12

CN Folate conjugase

CN Folate hydrolase

CN Folic acid conjugase

CN Folyl conjugase

CN Folylpoly- γ -glutamate carboxypeptidase

CN Folylpolyglutamate hydrolase

CN Glucarpidase

CN Glutamate carboxypeptidase

CN Glutamate carboxypeptidase II

CN Glutamyl carboxypeptidase

CN N-Acetylated- α -linked acidic dipeptidase

CN N-acetylated- α -linked-amino dipeptidase

CN N-Pteroyl-L-glutamate hydrolase

CN NAALADase

CN Poly(γ -glutamic acid) endohydrolase

CN Polyglutamate hydrolase

CN Prostate-specific membrane antigen

CN PSMA carboxypeptidase

CN Pteroyl- γ -glutamyl carboxypeptidase

CN Pteroylpoly- γ -glutamate hydrolase

CN Pteroylpoly- γ -glutamyl hydrolase

CN Pteroylpolygammaglutamyl hydrolase

CN Pteroylpolyglutamate hydrolase

CN Pteroylpolyglutamic acid hydrolase

DR 55326-32-4, 61584-57-4, 37279-02-0, 111070-04-3

MF Unspecified

CI MAN
LC STN Files: ADISINSIGHT, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS,
BIOTECHNO, CA, CABAB, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, DDFU,
DRUGU, EMBASE, IMSDRUGNEWS, IMSRESEARCH, PROMT, TOXCENTER, USPAT2,
USPATFULL
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

900 REFERENCES IN FILE CA (1907 TO DATE)
37 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
904 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L27 ANSWER 31 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
RN 9016-18-6 REGISTRY
ED Entered STN: 16 Nov 1984
CN Esterase, carboxyl (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN α -Carboxylesterase
CN α -Esterase
CN β -Esterase
CN 1,4-Butanediol diacrylate esterase
CN 7-Amino-3-methoxy-3-cephem-4-carboxyl ester hydrolase
CN Aliesterase
CN Aminoacyl esterase
CN B-Esterase
CN Butyrate esterase
CN Butyryl esterase
CN Carbonic esterase
CN Carboxyesterase
CN Carboxyl ester hydrolase
CN Carboxyl ester lipase
CN Carboxyl esterase
CN Carboxylate esterase
CN Carboxylesterase
CN Carboxylesterase B
CN Carboxylesterase ES-1
CN Carboxylic acid esterase
CN Carboxylic ester hydrolase
CN Carboxylic esterase
CN Chirazyme E 1
CN Chirazyme E-2
CN Chirazyme E-3
CN Cinnamate esterase
CN Cinnamic acid esterase
CN Cinnamoyl ester hydrolase
CN Cinnamoyl esterase
CN E.C. 3.1.1.1
CN E.C. 3.1.1.12
CN Egasyn
CN Esterase
CN Esterase 29
CN Esterase EP10
CN Esterase, B-
CN Fatty acid ethyl ester hydrolase
CN Fluazifop-butyl esterase
CN Ketoprofen alkyl esterase
CN Ketoprofen choline esterase
CN Methyl farnesoate esterase
CN Methylbutyrylase

CN Methylbutyrate esterase

CN Monobutyrase

CN Naproxen esterase

CN Neutral esterase

CN Nonspecific carboxylesterase

CN Paraben esterase

CN Phthalate ester hydrolase

CN Phthalate esterase

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
DISPLAY

DR 9025-97-2, 9027-84-3, 114514-18-0, 139074-54-7

MF Unspecified

CI MAN

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,
CA, CABA, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN,
CSCHEM, CSNB, EMBASE, IFICDB, IFIPAT, IFIUDB, MSDS-OHS, PIRA, PROMT,
TOXCENTER, USPAT2, USPATFULL

Other Sources: EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4438 REFERENCES IN FILE CA (1907 TO DATE)

61 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

4447 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L27 ANSWER 32 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN

RN 9001-03-0 REGISTRY

ED Entered STN: 16 Nov 1984

CN Dehydratase, carbonate (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Anhydrase

CN Carbonate anhydrase

CN Carbonate dehydratase

CN Carbonic acid anhydrase

CN Carbonic anhydrase

CN Carboxyanhydrase

CN E.C. 4.2.1.1

DR 9044-52-4, 9052-41-9

MF Unspecified

CI MAN

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,
CA, CABA, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN,
CSCHEM, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE,
MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PROMT, TOXCENTER, USPAT2,
USPATFULL

(*File contains numerically searchable property data)

Other Sources: EINECS**

(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

9742 REFERENCES IN FILE CA (1907 TO DATE)

318 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

9750 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L27 ANSWER 33 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN

RN 7689-03-4 REGISTRY

ED Entered STN: 16 Nov 1984

CN 1H-Pyrano[3',4':6,7]indolizino[1,2-b]quinoline-3,14(4H,12H)-dione,
4-ethyl-4-hydroxy-, (4S)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Pyrano[3',4':6,7]indolizino[1,2-b]quinoline-3,14(4H,12H)-dione,
4-ethyl-4-hydroxy-, (S)-

CN Camptothecine (7CI)

OTHER NAMES:

CN (+)-Camptothecin

CN (+)-Camptothecine

CN (S)-Camptothecin

CN 20(S)-Camptothecin

CN 20(S)-Camptothecine

CN Camptothecin

CN d-Camptothecin

CN MAG-CPT

CN NSC 94600

FS STEREOSEARCH

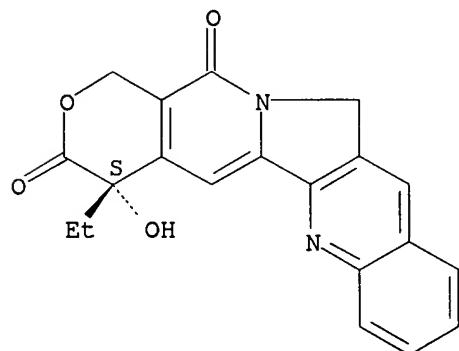
DR 30628-51-4, 157405-40-8

MF C20 H16 N2 O4

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPIUS, CASREACT, CBNB, CEN,
CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE,
IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, PIRA,
PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3027 REFERENCES IN FILE CA (1907 TO DATE)

450 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

3034 REFERENCES IN FILE CAPIUS (1907 TO DATE)

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L27 ANSWER 34 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN

RN 4897-50-1 REGISTRY

ED Entered STN: 16 Nov 1984

CN 1,4'-Bipiperidine (7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 4-(1-Piperidino)piperidine

CN 4-(1-Piperidinyl)piperidine

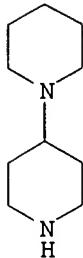
CN 4-Piperidinopiperidine

CN [1,4']Bipiperidinyl

FS 3D CONCORD

MF C10 H20 N2

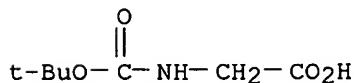
CI COM
 LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,
 CHEMINFORMRX, CHEMLIST, CSCHEM, DDFU, DRUGU, IFICDB, IFIPAT, IFIUDB, PS,
 SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

359 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 360 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L27 ANSWER 35 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 4530-20-5 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN Glycine, N-[(1,1-dimethylethoxy)carbonyl]- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Glycine, N-carboxy-, N-tert-butyl ester (6CI, 7CI, 8CI)
 OTHER NAMES:
 CN (tert-Butoxycarbonyl)aminoacetic acid
 CN 2-(tert-Butoxycarbonylamino)acetic acid
 CN BOC-glycine
 CN N-(tert-Butoxycarbonyl)glycine
 CN N-BOC-glycine
 CN N-[(1,1-Dimethylethoxy)carbonyl]glycine
 CN N-[(tert-Butyloxy)carbonyl]glycine
 CN Na-tert-Butyloxycarbonylglycine
 CN NSC 127669
 CN tert-Butoxycarbonylglycine
 FS 3D CONCORD
 MF C7 H13 N O4
 CI COM
 LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,
 CHEMINFORMRX, CHEMLIST, CSCHEM, IFICDB, IFIPAT, IFIUDB, MEDLINE,
 MSDS-OHS, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

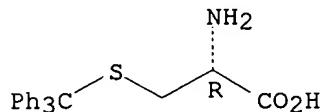


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3655 REFERENCES IN FILE CA (1907 TO DATE)
 321 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 3662 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L27 ANSWER 36 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 2799-07-7 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN L-Cysteine, S-(triphenylmethyl)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Alanine, 3-(tritylthio)-, L- (8CI)
 OTHER NAMES:
 CN 3-Tritylthio-L-alanine
 CN NSC 83265
 CN S-Triphenylmethyl-L-cysteine
 CN S-Trityl-(R)-cysteine
 CN S-Trityl-L-cysteine
 CN S-Tritylcysteine
 CN Tritylthioalanine
 FS STEREOSEARCH
 MF C22 H21 N O2 S
 CI COM
 LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,
 CHEMLIST, CSCHEM, DDFU, DRUGU, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE,
 RTECS*, SPECINFO, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

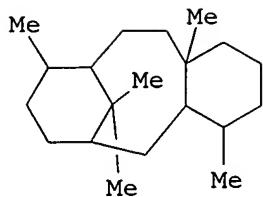
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

133 REFERENCES IN FILE CA (1907 TO DATE)
 9 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 133 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

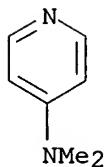
L27 ANSWER 37 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 1605-68-1 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 6,10-Methanobenzocyclodocene, tetradecahydro-4,9,12a,13,13-pentamethyl-,
 (4R,4aR,6S,9R,10S,12aR)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 6,10-Methanobenzocyclodocene, tetradecahydro-4,9,12a,13,13-pentamethyl-,
 [4R-(4 α ,4a β ,6 α ,9 α ,10 α ,12a α)]-
 CN Taxane (7CI, 8CI)
 OTHER NAMES:
 CN Taxan
 MF C20 H36
 LC STN Files: ADISNEWS, AGRICOLA, BIOBUSINESS, BIOSIS, CA, CANCERLIT,
 CAOLD, CAPLUS, CBNB, CEN, CIN, MEDLINE, PIRA, PROMT, TOXCENTER, USPAT2,
 USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

374 REFERENCES IN FILE CA (1907 TO DATE)
 180 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 375 REFERENCES IN FILE CPLUS (1907 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

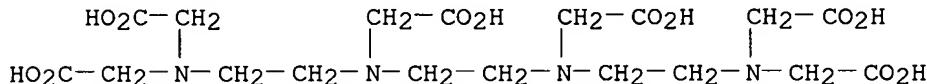
L27 ANSWER 38 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 1122-58-3 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 4-Pyridinamine, N,N-dimethyl- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Pyridine, 4-(dimethylamino)- (6CI, 7CI, 8CI)
 OTHER NAMES:
 CN γ -(Dimethylamino)pyridine
 CN 4-(Dimethylamino)pyridine
 CN DMAP
 CN DMAP (catalyst)
 CN N,N-Dimethyl-4-aminopyridine
 CN N,N-Dimethyl-4-pyridinamine
 CN p-Dimethylaminopyridine
 FS 3D CONCORD
 MF C7 H10 N2
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CAOLD, CPLUS, CASREACT, CBNB, CEN, CHEMCATS,
 CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE, GMELIN*,
 HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC,
 PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2,
 USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3252 REFERENCES IN FILE CA (1907 TO DATE)
 95 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 3269 REFERENCES IN FILE CPLUS (1907 TO DATE)
 23 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L27 ANSWER 39 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 869-52-3 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 3,6,9,12-Tetraazatetradecanedioic acid, 3,6,9,12-tetrakis(carboxymethyl)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Acetic acid, [ethylenebis[[(carboxymethyl)imino]ethylenenitrilo]tetra- (6CI, 7CI)
 CN Glycine, N,N'-ethylenbis[N-[2-[bis(carboxymethyl)amino]ethyl]- (8CI)
 OTHER NAMES:
 CN (Triethylenetetraamino)hexaacetic acid
 CN Triethylenetetramine-N,N,N',N'',N''',N''''-hexaacetic acid
 CN Triethylenetetraminehexaacetic acid
 CN TTHA
 CN [Ethylenebis[[(carboxymethyl)imino]ethylenenitrilo]tetraacetic acid
 FS 3D CONCORD
 DR 20261-67-0
 MF C18 H30 N4 O12
 CI COM
 LC STN Files: ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM, DDFU, DETHERM*, DRUGU, EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MSDS-OHS, NIOSHTIC, PROMT, RTECS*, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

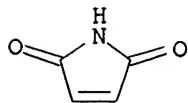


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

706 REFERENCES IN FILE CA (1907 TO DATE)
 193 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 707 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 19 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L27 ANSWER 40 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 541-59-3 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 1H-Pyrrole-2,5-dione (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Maleimide (6CI, 8CI)
 OTHER NAMES:
 CN 3-Pyrroline-2,5-dione
 CN Maleic imide
 CN NSC 13684
 CN Pyrrole-2,5-dione
 FS 3D CONCORD
 MF C4 H3 N O2
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DETHERM*, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*, SCISEARCH, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2215 REFERENCES IN FILE CA (1907 TO DATE)
839 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2216 REFERENCES IN FILE CAPLUS (1907 TO DATE)
33 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L27 ANSWER 41 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN

RN 538-75-0 REGISTRY

ED Entered STN: 16 Nov 1984

CN Cyclohexanamine, N,N'-methanetetraylbis- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Carbodiimide, dicyclohexyl- (6CI, 7CI, 8CI)

OTHER NAMES:

CN 1,3-Dicyclohexylcarbodiimide

CN Bis(cyclohexyl)carbodiimide

CN DCC

CN DCCD

CN DCCI

CN Dicyclohexylcarbodiimide

CN N,N'-Dicyclohexylcarbodiimide

CN N,N'-Methanetetraylbis[cyclohexanamine]

CN NSC 30022

CN NSC 53373

CN NSC 57182

FS 3D CONCORD

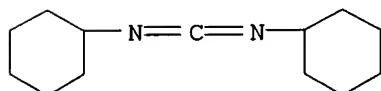
MF C13 H22 N2

CI COM

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS,
BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, GMELIN*,
HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC,
PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3866 REFERENCES IN FILE CA (1907 TO DATE)
76 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
3882 REFERENCES IN FILE CAPLUS (1907 TO DATE)
31 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L27 ANSWER 42 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
RN 142-68-7 REGISTRY
ED Entered STN: 16 Nov 1984
CN 2H-Pyran, tetrahydro- (8CI, 9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Pyran, tetrahydro- (3CI)
OTHER NAMES:
CN NSC 65448
CN Oxacyclohexane
CN Oxane
CN Pentamethylene oxide
CN Tetrahydro-2H-pyran
CN Tetrahydropyran
CN Tetrahydropyrane
CN THP
FS 3D CONCORD
MF C5 H10 O
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS,
BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX,
CHEMLIST, CHEMSAFE, CIN, CSCHEM, DETHERM*, EMBASE, ENCOMPLIT,
ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB,
IFIPAT, IFIUDB, MRCK*, MSDS-OHS, PIRA, PROMT, SPECINFO, TOXCENTER,
USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

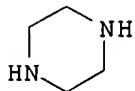


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1730 REFERENCES IN FILE CA (1907 TO DATE)
133 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1731 REFERENCES IN FILE CAPLUS (1907 TO DATE)
26 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L27 ANSWER 43 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
RN 110-85-0 REGISTRY
ED Entered STN: 16 Nov 1984
CN Piperazine (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1,4-Diazacyclohexane
CN 1,4-Piperazine
CN Antiren
CN Diethylenediamine
CN Dispermine
CN Eraverm
CN Hexahydropyrazine
CN Lumbrical
CN NSC 474
CN Piperazidine
CN Pipersol
CN Pyrazine hexahydride
CN Pyrazine, hexahydro-

CN Uvilon
 CN Vermex
 CN Worm-A-Ton
 CN Wurmirazin
 FS 3D CONCORD
 DR 854880-15-2, 8017-90-1, 8027-81-4, 81546-15-8
 MF C4 H10 N2
 CI COM, RPS
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS,
 BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB,
 CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU,
 DETERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, GMELIN*, HODOC*, HSDB*,
 IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC,
 PDLCOM*, PIRA, PROMT, PS, RTECS*, SCISEARCH, SPECINFO, SYNTHLINE,
 TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VETU
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

8390 REFERENCES IN FILE CA (1907 TO DATE)
 999 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 8412 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 102 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L27 ANSWER 44 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 109-99-9 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN Furan, tetrahydro- (7CI, 8CI, 9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Butane α, δ -oxide
 CN Butane, 1,4-epoxy-
 CN Cyclotetramethylene oxide
 CN Furanidine
 CN NSC 57858
 CN Oxacyclopentane
 CN Oxolane
 CN Tetrahydrofuran
 CN Tetramethylene oxide
 CN THF
 FS 3D CONCORD
 DR 77392-70-2
 MF C4 H8 O
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS,
 BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN,
 CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU,
 DETERM*, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT,
 ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA,
 MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT,
 RTECS*, SCISEARCH, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT,
 USPAT2, USPATFULL, VETU, VTB
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

23379 REFERENCES IN FILE CA (1907 TO DATE)
831 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
23430 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L27 ANSWER 45 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN

RN 77-77-0 REGISTRY

ED Entered STN: 16 Nov 1984

CN Ethene, 1,1'-sulfonylbis- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Vinyl sulfone (6CI, 8CI)

OTHER NAMES:

CN Bis(ethenyl)sulfone

CN Divinyl sulfone

CN Ethenylsulfonylthene

CN NSC 133793

CN NSC 18590

CN NSC 57304

FS 3D CONCORD

MF C4 H6 O2 S

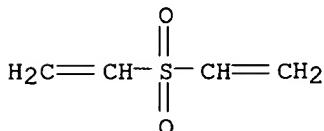
CI COM

LC STN Files: AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DETHERM*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, NIOSHTIC, PIRA, PROMT, RTECS*, SPECINFO, SYNTLINE, TOXCENTER, TULSA, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: EINECS**

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

761 REFERENCES IN FILE CA (1907 TO DATE)
89 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
762 REFERENCES IN FILE CAPLUS (1907 TO DATE)
44 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L27 ANSWER 46 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN

RN 67-43-6 REGISTRY

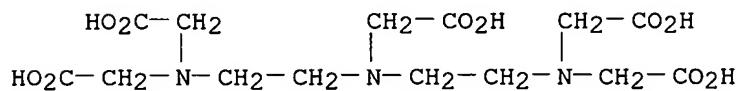
ED Entered STN: 16 Nov 1984

CN Glycine, N,N-bis[2-[bis(carboxymethyl)amino]ethyl]- (7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1,1,4,7,7-Diethylenetriaminepentaacetic acid

CN 3,6,9-Triazaundecanedioic acid, 3,6,9-tris (carboxymethyl)-
 CN Acetic acid, 2,2',2'',2'''-[(carboxymethyl)imino]bis(2,1-
 ethanediylnitrilo)]tetrakis-
 CN Chel 330 acid
 CN Chel DTPA
 CN Clewat DA
 CN Complexon V
 CN Dabeersen 503
 CN Detapac
 CN Detarex
 CN DETP
 CN DETPA
 CN Diethylenetriamine-N,N,N',N'',N'''-pentaacetic acid
 CN Diethylenetriaminepentaacetic acid
 CN Dissolvine D
 CN DPTA
 CN DPTA
 CN Hamp-Ex Acid
 CN Monaquest CAI
 CN N,N-Bis[2-[bis(carboxymethyl)amino]ethyl]glycine
 CN NSC 7340
 CN Pentacarboxymethyl diethylenetriamine
 CN Pentetic acid
 CN Titriplex V
 CN [(Carboxymethyl)imino]bis(ethylenenitrilo)]tetraacetic acid
 FS 3D CONCORD
 DR 782415-12-7, 803683-39-8, 573987-64-1, 13407-13-1, 6889-50-5, 7575-40-8,
 25737-54-6, 84932-15-0, 49758-21-6
 MF C14 H23 N3 O10
 CI COM
 SR CA
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
 CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, GMELIN*,
 HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC,
 PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, ULIDAT, USAN, USPAT2,
 USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

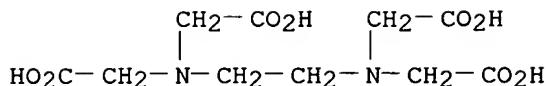


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6219 REFERENCES IN FILE CA (1907 TO DATE)
 1977 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 6226 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L27 ANSWER 47 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 60-00-4 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Acetic acid, (ethylenedinitrilo)tetra- (8CI)
 OTHER NAMES:
 CN 3,6-Diazaoctanedioic acid, 3,6-bis(carboxymethyl)-

CN 62: PN: US20050026181 PAGE: 33 claimed sequence
CN Acetic acid, 2,2',2'',2'''-(1,2-ethanediyldinitrilo)tetrakis-
CN Acroma DH 700
CN Celon A
CN Celon ATH
CN Cheelox
CN Chelest 3A
CN Chemcolox 340
CN Clewat TAA
CN Complexon II
CN Dissolvine E
CN Dissolvine Z
CN Edathamil
CN Eddetic acid
CN EDTA
CN EDTA (chelating agent)
CN Endrate
CN Ethylenediamine-N,N,N',N'-tetraacetic acid
CN Ethylenediaminetetraacetic acid
CN Ethylenedinitrilotetraacetic acid
CN Gluma Cleanser
CN Havidote
CN ICRF 185
CN Metaquest A
CN N,N'-1,2-Ethanediyl-bis-N-(carboxymethyl)glycine
CN Nervanaid B acid
CN NSC 97243
CN NSC 97404
CN Nullapon B acid
CN Nullapon BF acid
CN Perma Kleer 50 acid
CN Quastal Special
CN Sequestrene AA
CN Sequestric acid
CN Sequestrol
CN Techrun DO
CN Tittriplex
CN Tittriplex II
CN Trilon BS
CN Trilon BW
CN Versene
CN YD 30
CN Zonon AO
FS 3D CONCORD
DR 13440-78-3, 20539-27-9, 94108-75-5, 26627-46-3, 30485-87-1, 30485-88-2,
30485-90-6, 32757-10-1, 161122-33-4, 402925-67-1, 675141-16-9
MF C10 H16 N2 O8
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS,
BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB,
CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU,
DETERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2,
ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB,
IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, PROUSDDR,
PS, RTECS*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFULL,
VETU, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

28398 REFERENCES IN FILE CA (1907 TO DATE)
 3821 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 28451 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 18 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L27 ANSWER 48 OF 48 REGISTRY COPYRIGHT 2006 ACS on STN

RN 56-87-1 REGISTRY

ED Entered STN: 16 Nov 1984

CN L-Lysine (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Lysine, L- (8CI)

OTHER NAMES:

CN (+)-S-Lysine

CN (S)- α, ϵ -Diaminocaproic acid

CN (S)-2,6-Diaminohexanoic acid

CN (S)-Lysine

CN α -Lysine

CN 2,6-Diaminohexanoic acid

CN Aminutrin

CN h-Lys-oh

CN Hexanoic acid, 2,6-diamino-, (S)-

CN L-(+)-Lysine

CN L-2,6-Diaminocaproic acid

CN L-Lys

CN L-Norleucine, 6-amino-

CN Lysine

CN Lysine acid

CN Malandil

FS STEREOSEARCH

DR 6899-06-5, 48050-57-3, 280114-50-3

MF C6 H14 N2 O2

CI COM

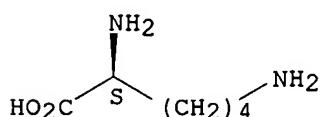
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, USAN, USPAT2, USPATFULL, VETU, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**, WHO

(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

46711 REFERENCES IN FILE CA (1907 TO DATE)

1779 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
46748 REFERENCES IN FILE CAPLUS (1907 TO DATE)
7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus			
COST IN U.S. DOLLARS	SINCE FILE	TOTAL	
	ENTRY	SESSION	
FULL ESTIMATED COST	92.96	148.72	

FILE 'CAPLUS' ENTERED AT 12:19:11 ON 03 JAN 2006
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FILE LAST UPDATED: 2 Jan 2006 (20060102/ED)

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<http://www.cas.org/infopolicy.html>

=> d his

(FILE 'HOME' ENTERED AT 12:02:56 ON 03 JAN 2006)

FILE 'PCTFULL' ENTERED AT 12:03:09 ON 03 JAN 2006

L1	1335 S ESTERAS? (S) CLEAV?
L2	435 S L1 (S) LINK?
L3	912 S CD22
L4	588 S (CPT () 11) OR (SN () 38)
L5	34 S L4 AND L3
L6	8 S L5 AND L2
L7	1 S L6 NOT PY>2002
L8	20 S L2 AND L3
L9	6 S L8 NOT PY>2002
L10	2 S L9 NOT PY>2001
L11	14 S L2 AND L4
L12	2 S L11 NOT PY>2002
L13	84196 S ANTIBOD?
L14	361 S L13 AND L2
L15	37630 S TETRAHYDOPYRAN OR TETRAHYDROFURAN OR THP OR THF
L16	11310 S MALEIMI?
L17	1845 S L16 AND L15
L18	40 S L17 AND L14
L19	22 S L18 NOT PY>2002
L20	93014 S CANCER? OR TUMOR? OR NEOPLAS?
L21	20 S L19 AND L20
L22	17 S L21 NOT PY>2001
L23	66507 S CONJUGATE? OR IMMUNOCONJUGATE?
L24	15 S L23 AND L22

L25 19 S L19 NOT PY>2000

FILE 'CAPLUS' ENTERED AT 12:16:10 ON 03 JAN 2006
L26 1 S WO 2004054622/PN
SEL RN

FILE 'REGISTRY' ENTERED AT 12:16:38 ON 03 JAN 2006
L27 48 S E1-E48

FILE 'CAPLUS' ENTERED AT 12:19:11 ON 03 JAN 2006

=> s 127
L28 174017 L27

=> s 128 and 12
35401 ESTERAS?
253864 CLEAV?
441865 LINK?
21 L1 (S) LINK?
L29 4 L28 AND L2

=> d ibib 1-4

L29 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:371376 CAPLUS
DOCUMENT NUMBER: 142:423896
TITLE: Cell-binding agent-maytansinoid conjugates linked via
a noncleavable linker, preparation methods, and
methods using them for targeting specific cell
populations
INVENTOR(S): Steeves, Rita; Lutz, Robert; Chari, Ravi; Xie,
Hongsheng; Kovtun, Yelena
PATENT ASSIGNEE(S): Immunogen, Inc., USA
SOURCE: PCT Int. Appl., 171 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005037992	A2	20050428	WO 2004-US30917	20041012
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2005169933	A1	20050804	US 2004-960602	20041008
PRIORITY APPLN. INFO.:			US 2003-509901P	P 20031010
			US 2004-960602	A 20041008

OTHER SOURCE(S): MARPAT 142:423896

L29 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:220125 CAPLUS
DOCUMENT NUMBER: 142:291352
TITLE: Cobalamin conjugates with antitumor drugs, their

INVENTOR(S): preparation, and their use in antitumor therapy
 Weinshenker, Ned M.; West, Frederick G.; Araneo,
 Barbara A.; Li, Weiping
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 41 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005054607	A1	20050310	US 2003-659501	20030910
WO 2005025512	A2	20050324	WO 2004-US29879	20040910
WO 2005025512	A3	20050728		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: US 2003-659501 A 20030910

L29 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2004:531392 CAPLUS
 DOCUMENT NUMBER: 141:87783
 TITLE: Anti-tumor antigen antibodies moiety conjugated with
 chemotherapeutic moiety linked by intracellularly-
 cleavable linkage for targeting and treating cancer
 INVENTOR(S): Govindan, V. Serengulam
 PATENT ASSIGNEE(S): Immunomedics, Inc., USA; McCall, John Douglas
 SOURCE: PCT Int. Appl., 41 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004054622	A1	20040701	WO 2003-GB5454	20031215
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2508831	AA	20040701	CA 2003-2508831	20031215
US 2004185053	A1	20040923	US 2003-734589	20031215
EP 1572242	A1	20050914	EP 2003-780388	20031215
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				

PRIORITY APPLN. INFO.: US 2002-433017P P 20021213

WO 2003-GB5454 W 20031215

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1997:809845 CAPLUS
DOCUMENT NUMBER: 128:101159
TITLE: Antitumoric phenolic acid sugar ester enzymic manufacture
INVENTOR(S): Massuda, Kazuaki; Hagiwara, Toshihiko; Ishikaki, Eishi; Kaneko, Hiroaki; Kikuta, Keitaro; Aoki, Hitoshi
PATENT ASSIGNEE(S): Nichirei Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09322794	A2	19971216	JP 1997-43960	19970227
PRIORITY APPLN. INFO.:			JP 1996-40097	A 19960227